

MECHANICAL DEPARTMENT
ANNUAL REPORT
YEAR 1939

Total connected load at Mesaba Range mines December 31, 1939	5,327-3/4 H.P.
" " " " Spies-Virgil " " " "	1,435 "
" " " " Ishpeming District mines Dec. 31, 1939	26,520 "
Total spare motors on hand at Ishpeming District Dec. 31, 1939	7,824-3/4 H.P.
" " " " " " Mesaba Range Mines " " "	2,273-3/4 "
" " " " " " Spies-Virgil Mine " " "	150 "

D. C. GENERATORS AND MOTORS

Total underground haulage generators - Ishpeming District	1,495	K.W.
" exciters and generators - " "	2,424-3/4	"
" motors - " "	5,144-1/2	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	68	H.P.

Total mine transformers	280	2,588	K.V.A.
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COMPARATIVE TABLES

<u>YEAR</u>	<u>TONS COAL BURNED</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>						
1930	716	444,511	896,693,000	2,017	446,650,100	
1931	560	315 492	592 506 000	1 878	350 061 000	
1932	611	92 125	188 127 000	2 042	369 057 075	
1933	495	61 623	160 033 500	2 596	362 896 379	
1934	373	235 639	394 168 500	1 672	348 670 324	
1935	869	288 053	516 140 000	1 791	366 504 523	692
1936	920	484 310	907 194 600	1 873	389 395 743	739
1937	804	579 759	1 102 635 000	1 901	370 765 799	705
1938	754	352 983	735 452 000	2 083	362 700 824	689
1939	748	415 682	790 875 000	1 902	363 540 036	693
<u>ATHENS MINE</u>						
1930	657	384,801	1 160 650 000	2 756	121,785,145	
1931	621	254 660	686 750 000	2 696	136 215 501	
1932	578	77 639	209 925 000	2 703	205 070 447	
1933	546	49 506	152 235 000	3 075	194 073 179	
1934	672	166 412	334 485 000	2 009	179 244 454	
1935	653	205 863	527 355 000	2 561	154 911 562	292
1936	718	318 604	698 985 700	2 193	134 999 491	255
1937	671	455 512	884 565 000	1 941	134 521 343	257
1938	655	276 800	643 005 000	2 322	165 316 266	313
1939	694	416 225	819 405 000	1 968	173 774 003	331
<u>MAAS MINE</u>						
1930	606	443,504	1,374,390,000	3,098	577,702,994	
1931	618	332 206	756 405 000	2 076	585 922 823	
1932	585	97 295	210 825 000	2 166	576 727 573	
1933	662	143 845	367 560 000	2 555	554 157 402	
1934	747	294 372	601 920 000	2 044	550 020 020	
1935	804	370 399	686 520 000	1 853	597 349 626	1,129
1936	950	549 615	897 919 800	1 634	674 397 310	1 279
1937	812	784 328	1 251 710 000	1 595	686 467 622	1 307
1938	748	438 359	742 635 000	1 694	752 268 448	1 429
1939	930	528 389	1 005 165 000	1 902	726 916 014	1 386
<u>NEGAUNEE MINE</u>						
1930	1,254	597 364	1,044,270,000	1,748	556,227,893	
1931	885	346 533	620 641 000	1 791	482 294 599	
1932	1 092	86 650	209 970 000	2 423	477 360 416	
1933	708	65 661	166 050 000	2 528	448 928 213	
1934	819	240 808	437 985 000	1 818	435 724 897	
1935	891	311 446	481 680 000	1 546	485 600 207	918
1936		530 844	737 716 000	1 389	483 287 423	916
1937	851	839 283	1 096 200 000	1 306	562 290 818	976
1938	751	439 588	771 210 000	1 754	534 118 975	1,015
1939	826	577 510	1 026 945 000	1 778	532 642 228	1 015

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COMPARATIVE TABLES: (Continued)

<u>YEAR</u>	<u>TONS COAL BURNED</u>	<u>TONS ORE AND ROCK HOISTED</u>	<u>CU. FT. AIR USED</u>	<u>CUBIC FEET AIR PER TON HOISTED</u>	<u>GALLONS OF WATER PUMPED</u>	<u>G.P.M.</u>
<u>TILDEN MINE</u>						
1930	498	287,043				
1931	244	137 010				
1932	38	19 957				
1933	164	94 194				
1934	325	167 688				
1935	394	190 511				
1936	901	291 341				
1937	790	305 418				
1938	186	85 889				
1939	313	170 276				
<u>LLOYD MINE</u>						
1933	96	4 554				
1934	127	136 951	145,926,000	1,065		
1935	224	248 410	289 426 500	1 165		
1936	413	377 572	383 994 000	1 017		
1937	334	545 274	559 512 000	999		
1938	350	286 864	293 247 000	1 022		
1939		323 639	273 042 000	843		
<u>GARDINER-MACKINAW MINE</u>						
1930	316	129,321	621,450,000	4,805	56,528,157	
1931	152	80 801	489 240 000	6 054	172 438 518	
1932	106	24 781	126 495 000	5 122	119 155 845	
1933	40	3 944	49 770 000	12 619	103 051 726	
1934	269	79 187	291 510 000	3 681	82 416 531	
1935	306	138 507	446 625 000	3 224	72 964 993	136
1936	331	185 954	692 415 000	3 723	67 049 662	126
1937	369	172 823	547 515 000	3 168	61 135 735	114
1938	170	48 824	256 234 500	5 248	44 633 865	90
1939	8	0	2 295 000		125 447 426	239

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Operations for the year 1939 bring the company through the second largest year of its history. Sales of electric energy totalling 71,367,415 kwh are second only to the year 1937, and we are entering 1940 with the indication of winter production and sales of energy which will exceed all previous performance. The year 1930 marked the peak of 21 years of operation with electric energy sales of 57 million kwh. It was not until 1936 that this amount was exceeded, in which year the sale of energy was 13% over that of 1930. During 1939 the production was 26% over that of 1930. This increase in production has been accomplished with the same power plant facilities which existed in 1930, but to our own generating facilities has been added the interconnection with the Wisconsin-Michigan Power Company at Gwinn, without which the sales of 1937 and 1939 could not have been accomplished.

The years operations have been accompanied by unusual weather conditions. During April a severe sleet storm was experienced in Marquette county which broke down transmission lines throughout the 30 kv portion of our transmission system. The ice conditions were bad for two days, and it was six days after the ice began to form before all transmission lines were in service and the system was again operating normally.

During June an unusually heavy rain ocured in the company's territory, amounting to a miniature cloud burst in the Hoist Storage Basin drainage area. A total of 6.93 inches of rain fell at the Hoist Power Plant within 30 hours. The run-off from this rain caused widespread damage, especially to the highways. Our property was only slightly damaged. Foot bridges at the Hoist and McClure Power Plants were destroyed, a small diversion levee at the McClure Plant tail race was washed out, and the tail races were partially blocked by dirt and gravel which was washed into them by the high water. Coming as it did when our storage basins were full from the spring thaw, this heavy rainfall was practically all lost over our dams. In addition to the above, system interruptions and damages were caused by severe lightning in August and exceptionally high wind in September.

We experienced normal rainfall during the summer months, but during September and October the rains were scattered in such a manner that they contributed very little to our stored water. An unusually dry November continued dry into December, to be broken by a good snow fall on December 19th. The failure to obtain normal rain during the latter part of the year has drawn our stored water down to an abnormally low stage. Thus we enter 1940 with approximately the same stored water and load conditions that were existing in January 1937.

Transmission difficulties experienced during these and other adverse conditions emphasized the necessity of changing the method of operating the 30 kv transmission lines, and of doing maintenance work upon these lines which had not been sufficiently expanded and improved during the long depression period. The gradual increase of our load and the demand for greater production in the mines necessitates a higher degree of continuity and the constant use of full capacity of all transmission facilities. Accordingly a study was made of the entire transmission system by using the calculating board of the Westinghouse Electric & Manufacturing Company at East Pittsburg. The results of this test and the recommendations of the engineers conducting the test were that we change the 30 kv system from isolated delta to grounded wye operation, and install the proper relays for obtaining more positive isolation of faulty sections of the transmission system in cases of trouble. This recommendation has been made to our executives and it is expected that the work will be carried forward during the coming winter.

While this study was being made, maintenance crews were in the field strengthening the transmission lines. Dangerous brush was trimmed on all lines,

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the wood pole lines were inspected and the poles reinforced wherever they were found rotted. The program of reinsulating the 30 kv lines which had been started several years ago was completed, and it is felt that the transmission system is now in better condition than it has been in many years. It is planned to continue this patrol and maintenance of the system which will add materially to the continuity of service in the future.

Work concreting over the wooden penstock at the McClure Plant was carried forward this year by covering 1560 feet from the air vent immediately below the dam to the place that work was stopped in 1938. This was exceedingly good progress, and amounted to approximately 12 feet during each working day in the summer. The condition of this pipe, and the difficulties which are experienced when leaks occur on it, indicate that it is desirable to press this work to a more rapid conclusion. For this reason it may be advisable to use two crews during the coming summer, one to work on the McClure line, the other to work on the line at the Carp Plant.

Load conditions have been such that it has been advisable to place the 2500 kva transformer which has been held as a spare unit into service at the Maas, substation for the purpose of relieving the transformers then in service at that substation of that portion of their load caused by the City of Negaunee and the Negaunee Mine. The 600 kva bank of transformers formerly installed to serve the City of Negaunee were moved to the Hoist Plant, making a total of 2600 kva of capacity there, thus making available 600 kw more of the 3000 kw of generating capacity installed at that plant. There are certain other changes which are indicated as necessary in substations to care for the gradually increasing load and more exacting service. These are under study and recommendations will be made covering these in the near future.

The accident record of the company was marred by a fatality to one of its employees caused by a fall from the engine house crane at the Maas Mine. Though this accident did not appear to be directly caused by the negligence or carelessness of any company employees, or by faulty equipment, it is, of course, regrettable.

Revenues for the year were considerably higher than for 1938, but were not accompanied by a corresponding increase in net revenues. The major increases in expense during the year occurred in operating, tax and appraisal expense, each of these major items contributing about equally to the total expense increase.

The continual increase in load brings a condition where we approach our ultimate capacity under present conditions. We generated in our own plants more kwh than in any previous year in the history of the system.

The contract with the Wisconsin Michigan Power Company limits our use of this service to off-peak periods and our present capacity is barely sufficient to carry the daytime peaks of existing load. With the normal and assured increase next year we face the possibility of lack of capacity to meet the situation. A study to determine the best procedure must now be considered.

The usual statistical data is appended.

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STATISTICAL DATA - 1939

Month	- Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Precipitation-	1.89	1.88	3.56	2.58	2.72	8.63	1.53	3.72	2.34	2.30	0.63	1.80	
Total Precipitation at Ishpeming during 1939	= 33.58" (2.798')												
Average	"	"	Marquette										= 32.8 " (46 year record)

CARP RIVER PLANT:

Drainage area above Intake Dam	66.66 sq. miles
Cubic feet precipitation in 1939	5,199,730,900
Kilowatt hours generated in 1939	15 310 000
Cubic feet water utilized (90 cu.ft. - 1 KWH)	1 377 900 000
" " " in Carp Storage Basin Jan. 1, 1939	361 658 600
" " " " " " " " Dec. 31, 1939	303 166 000
" " " taken from storage	58 492 600
" " " wasted over Intake Dam	1 777 804 000
Total run-off for year 1939 (Cubic feet)	3 097 211 400
Run-off per square mile of drainage area	46 462 800
Second-feet of run-off	1.47

	<u>1913</u>	<u>1914</u>	<u>1915</u>	<u>1916</u>	<u>1917</u>	<u>1918</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	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	0.68	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>
Total Precipitation	22.95	20.71	35.69	29.86	36.06	32.28	23.14	36.70	31.20	32.72
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
	<u>1934</u>	<u>1935</u>	<u>1936</u>	<u>1937</u>	<u>1938</u>	<u>1939</u>				
Precipitation	32.87	27.10	30.23	30.10	35.32	33.58				
Sec.ft. per sq.mile run-off	1.00	0.79	0.89	0.86	1.33	1.47				

MCCLURE PLANT:

Drainage area above Intake Dam	140.52 sq. miles
Cubic feet percipitation in 1939 (Hoist Plant-41.22")	13,456,519,000
Kilowatt hours generated at McClure Plant in 1939	40 318 600
Cubic feet water utilized (125 cu.ft.- 1 KWH)	5 039 825 000
" " " wasted over Intake Dam	3 979 796 000
" " " in Hoist Storage Basin Jan. 1, 1939	2 086 683 900
" " " " " " " " Dec. 31, 1939	797 129 000
" " " used from Hoist Storage	1 289 554 900
" " " in Silver Lake Jan. 1, 1939	588 181 300
" " " " " " " " Dec. 31, 1939	360 970 000
" " " used from Silver Lake in 1939	217 211 300
Total run-off for year 1939 (Cubic feet)	7 512 854 800
Run-off per sq.mile of drainage area	53 464 600
Second-feet of run-off	1.69

	<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>
Total Precipitation	* 27.40	35.10	42.03	26.60	30.49	24.06	43.95	35.51	43.80	38.75
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
	<u>1930</u>	<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>
Precipitation	30.81	37.02	32.54	35.07	35.02	29.96	32.16	38.18	40.93	41.22
Sec.ft. per sq.mile run-off	1.45	1.10	1.23	1.30	1.16	0.90	1.05	1.19	1.75	1.69

* - 1920 Precipitation figure is total precipitation at Ishpeming.

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SUBSTATION TRANSFORMERS:

Substation transformers installed as of December 31, 1939.

<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	
AuTrain "	1	3	333-1/3	1 000	
					6,026 K.V.A.
<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	3	400	1,200	
Cliffs Shaft-Holmes Substation	1	6	500	3 000	
Morris-Lloyd "	1	3	590	1 770	
Republic "	1	3	250	750	
Hartford "	1	3	400	1 200	
Maas "	1	6	590	3 540	
" "	3	1	2 500	2 500	
Escanaba Plant "	1	3	590	1 770	
Brownstone "	1	3	625	1 875	
McClure Plant "	3	2	5 000	10 000	
Carp "	1	3	1 900	5 700	
Palmer "	1	3	625	1 875	
Hoist Plant "	1	3	667	2 000	
" " "	1	3	200	600	
Greenwood "	1	3	150	450	
Princeton "	1	3	75	225	
Tilden "	3	1	1 250	1 250	
Palmer Rural "	1	4	15	60	
					39,765
<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
<u>6,600/2300 Volts</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		
					2,265
<u>6600/115-230 Volts</u>					

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SUBSTATION TRANSFORMERS: (Continued)

<u>6,600/115-230 Volts</u>	<u>Phase</u>	<u>No.</u>	<u>Brot. Fwd.</u> <u>K.V.A.</u>	<u>Total K.V.A.</u>	<u>55,451 K.V.A.</u>
Furnace Substation Lighting	1	1	5	<u>5</u>	<u>5</u>
<u>GRAND TOTAL</u>					<u>55,456 K.V.A.</u>

A. C. MOTORS

Total Cleveland-Cliffs Iron Co. load connected to Power System	26,520 H.P.
" Cliffs Power & Light Company " " " "	430
" Outside " " " "	<u>26 879</u>

TOTAL CONNECTED LOAD - Dec. 31, 1939 53,829 H.P.

EXCITERS, GENERATORS & D.C. MOTORS

Total Cliffs Power & Light Company Exciters and Generators	549½ K.W.
" " " " " " D. C. Motors	3½ H.P.

DISTRIBUTION TRANSFORMERS:

<u>DISTRIBUTION TRANSFORMERS:</u>	<u>Number</u>	<u>Capacity</u>
Total at first of year	290	1,616 K.V.A.
" purchased during year	17	152
" retired " "	3	10½
" at close of year	304	1,757½
In Stock at close of year	2	40
" service " " " "	277	1 562½
C.P.&L.Co. plants & auxiliaries	<u>25</u>	<u>155</u>
	304	1,757½

THE CLIFFS POWER & LIGHT COMPANY

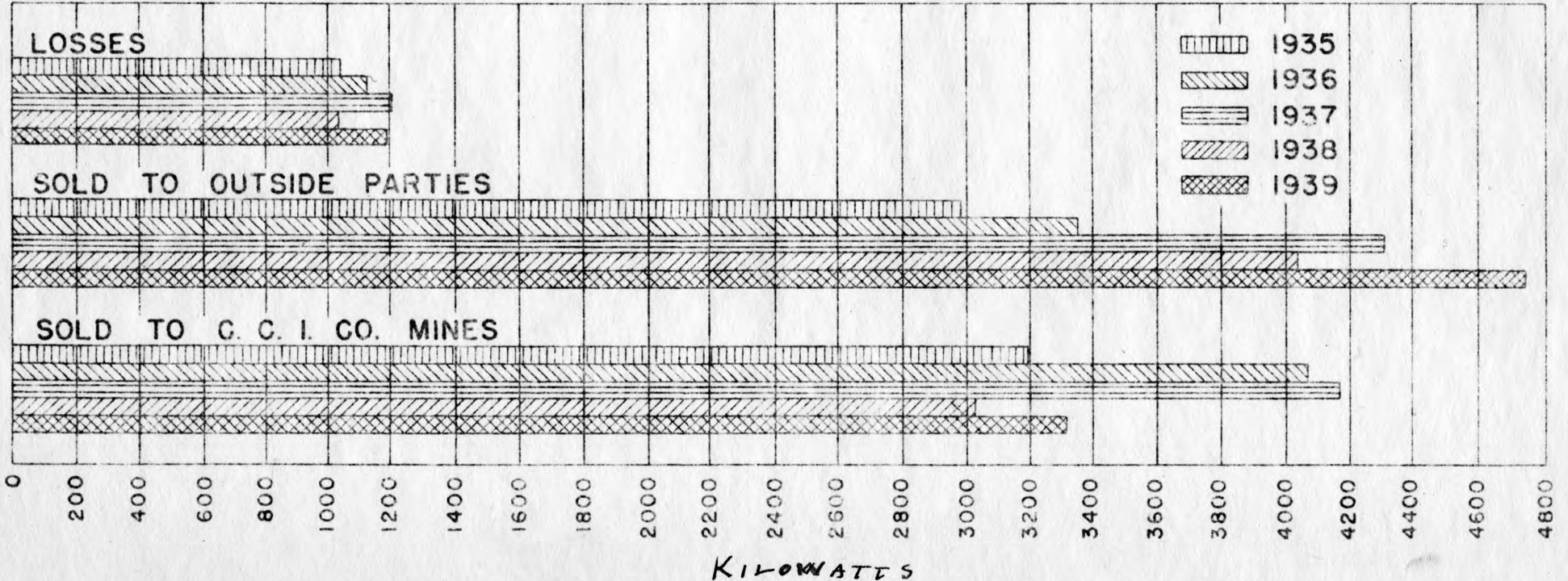
STATISTICAL DATA-----1939

	KILOWATT HOURS GENERATED & PURCHASED								STATION USE	DELIVERED TO LINE	KWH SOLD	TRANSMISSION LOSSES	
	McCLURE	CARP	HOIST	AUTRAIN	REPUBLIC	ESCANABA	PURCHASED	TOTAL				K.W.H.	%
Jan.	2,758,600	1,317,300	1,088,000	159,100	96,500	233,000	34,000	5,686,500	21,245	5,665,255	4,921,471	743,784	13.12
Feb.	2 850 000	977 800	1 188 000	292 200	103 400	235 000	0	5 646 400	22 026	5 624 374	5 053 461	570 913	10.15
Mar.	2 996 500	884 400	1 365 000	561 400	91 700	238 000	0	6 137 000	20 104	6 116 896	5 172 541	944 355	15.43
Apr.	2 658 300	1 235 600	1 174 000	586 600	82 300	218 000	46 000	6 000 800	20 579	5 980 221	5 364 376	615 845	10.29
May	3 354 300	1 821 500	678 000	612 600	55 700	267 000	0	6 789 100	16 851	6 772 249	5 891 827	880 422	13.00
June	3 293 000	1 876 900	659 000	519 000	74 600	256 000	98 000	6 776 500	16 884	6 759 616	5 958 857	800 759	11.84
July	2 915 100	1 788 400	850 000	453 200	97 500	246 000	95 000	6 445 200	18 095	6 427 105	5 618 016	809 089	12.58
Aug.	3 233 900	902 900	1 169 000	507 900	92 200	267 000	244 000	6 416 900	19 740	6 397 160	5 548 529	848 631	13.26
Sept.	3 638 200	977 200	1 289 000	457 300	67 800	296 000	615 000	7 340 500	20 194	7 320 306	6 450 176	870 130	11.88
Oct.	4 321 400	1 079 700	1 568 000	284 600	94 900	333 000	717 000	8 398 600	20 612	8 377 988	7 402 772	975 216	11.64
Nov.	4 392 800	1 243 600	1 528 000	178 900	88 300	357 000	742 000	8 530 600	21 779	8 508 821	7 476 970	1 031 851	12.12
Dec.	<u>3 906 500</u>	<u>1 204 700</u>	<u>1 354 000</u>	<u>226 400</u>	<u>89 800</u>	<u>295 000</u>	<u>529 000</u>	<u>7 605 400</u>	<u>22 214</u>	<u>7 583 186</u>	<u>6 508 419</u>	<u>1 074 767</u>	<u>16.32</u>
<u>TOTAL</u>	<u>40,318,600</u>	<u>15,310,000</u>	<u>13,910,000</u>	<u>4,839,200</u>	<u>1,034,700</u>	<u>3,241,000</u>	<u>3,120,000</u>	<u>81,773,500</u>	<u>240,323</u>	<u>81,533,177</u>	<u>71,367,415</u>	<u>10,165,762</u>	<u>12.46</u>

DISTRIBUTION OF ELECTRIC POWER TO G. C. I. CO. MINES 1938 - 1939

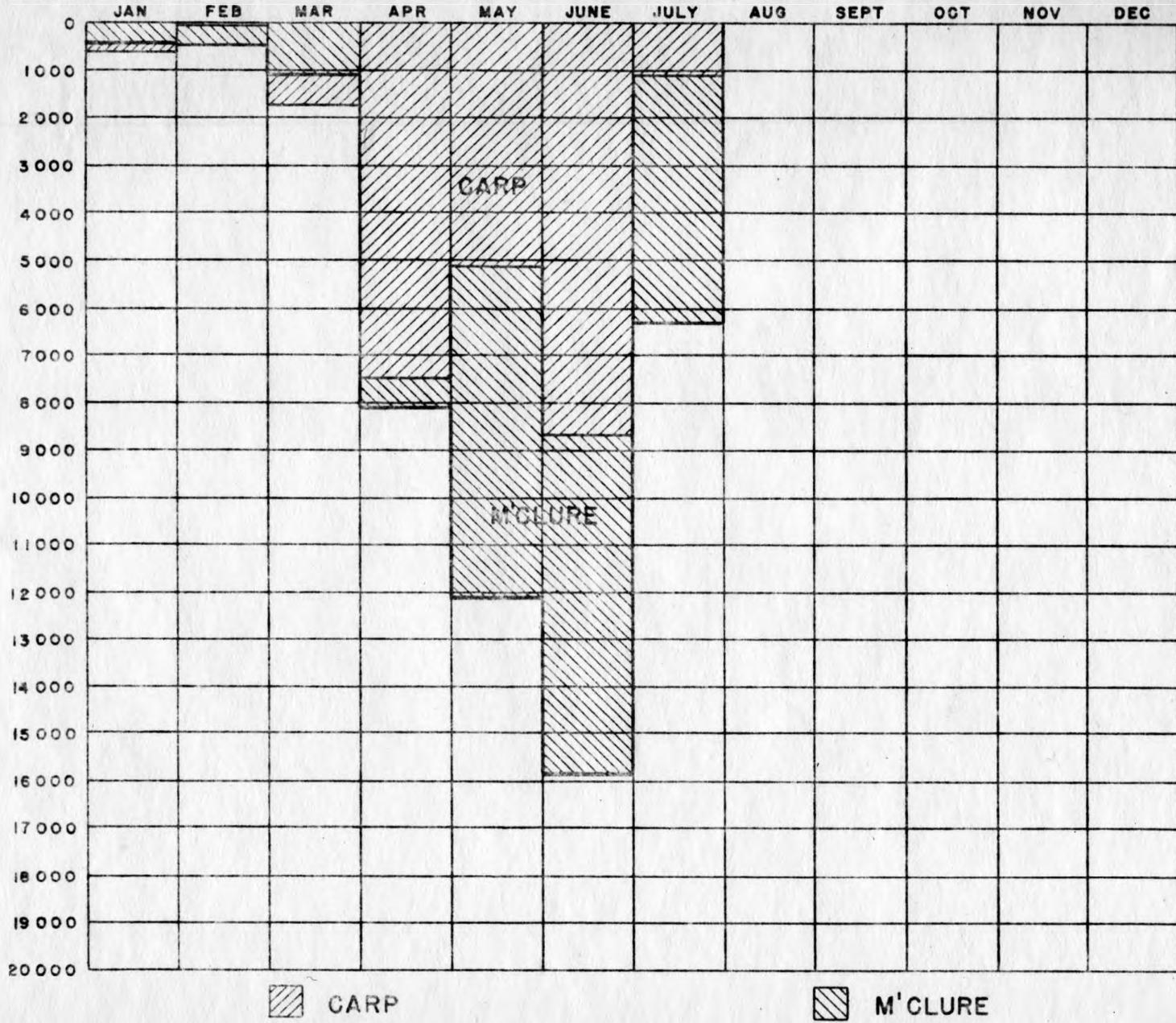


DISTRIBUTION OF ELECTRIC POWER 1935 - 1936 - 1937 - 1938 - 1939



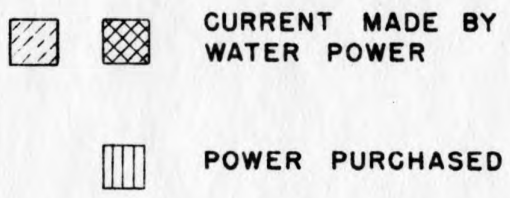
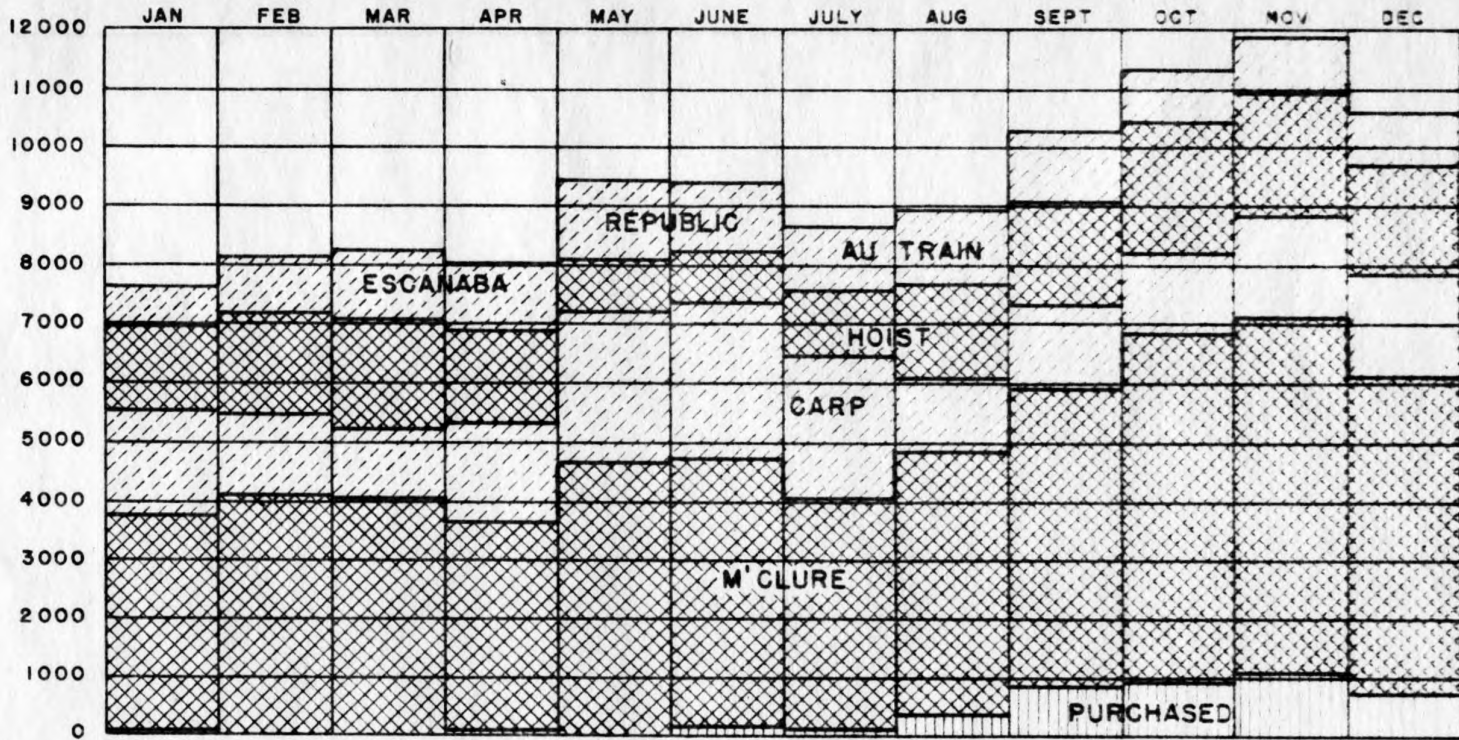
1939

WATER LOST
KILOWATT EQUIVALENT



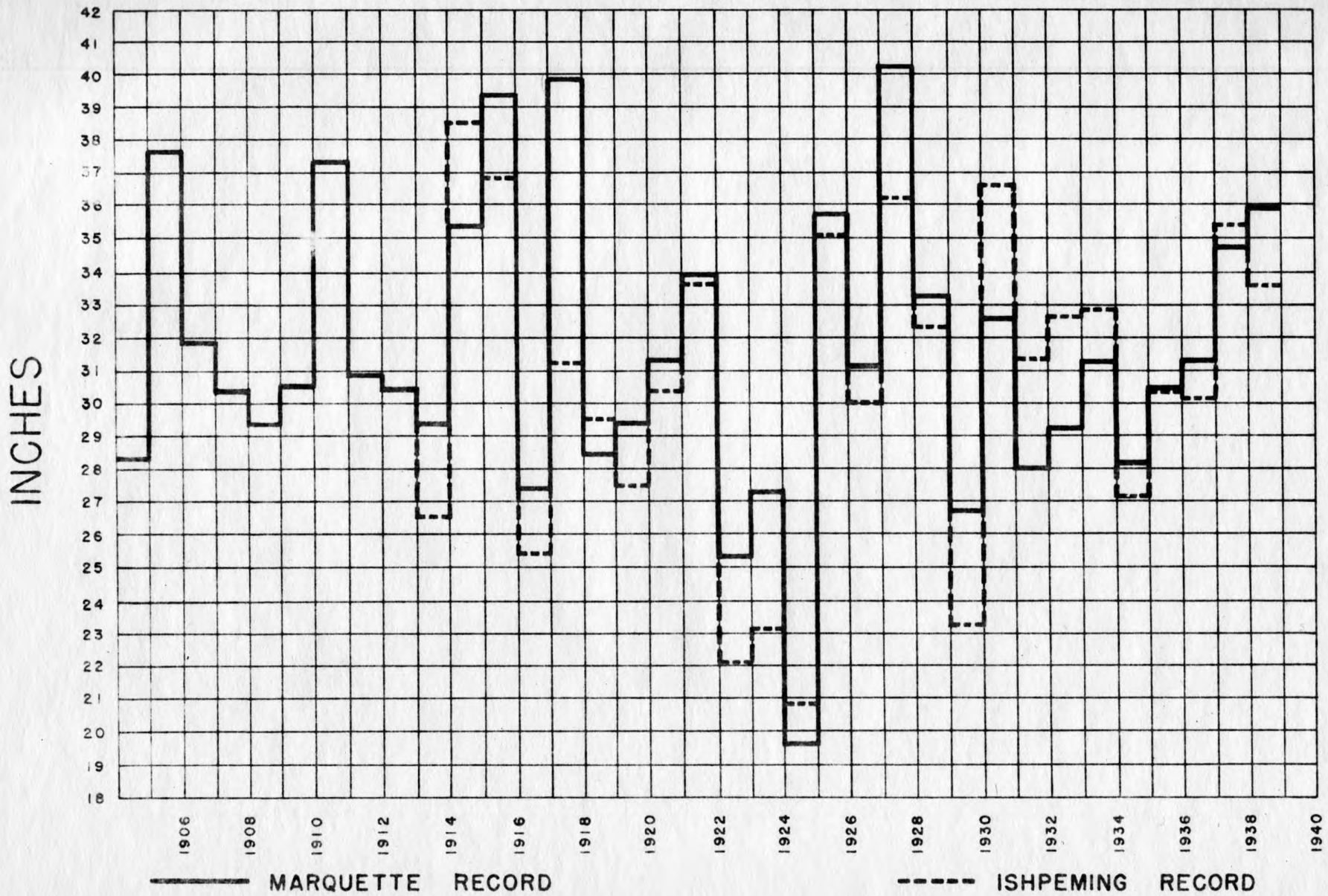
1939

AVERAGE LOAD
 KILOWATTS

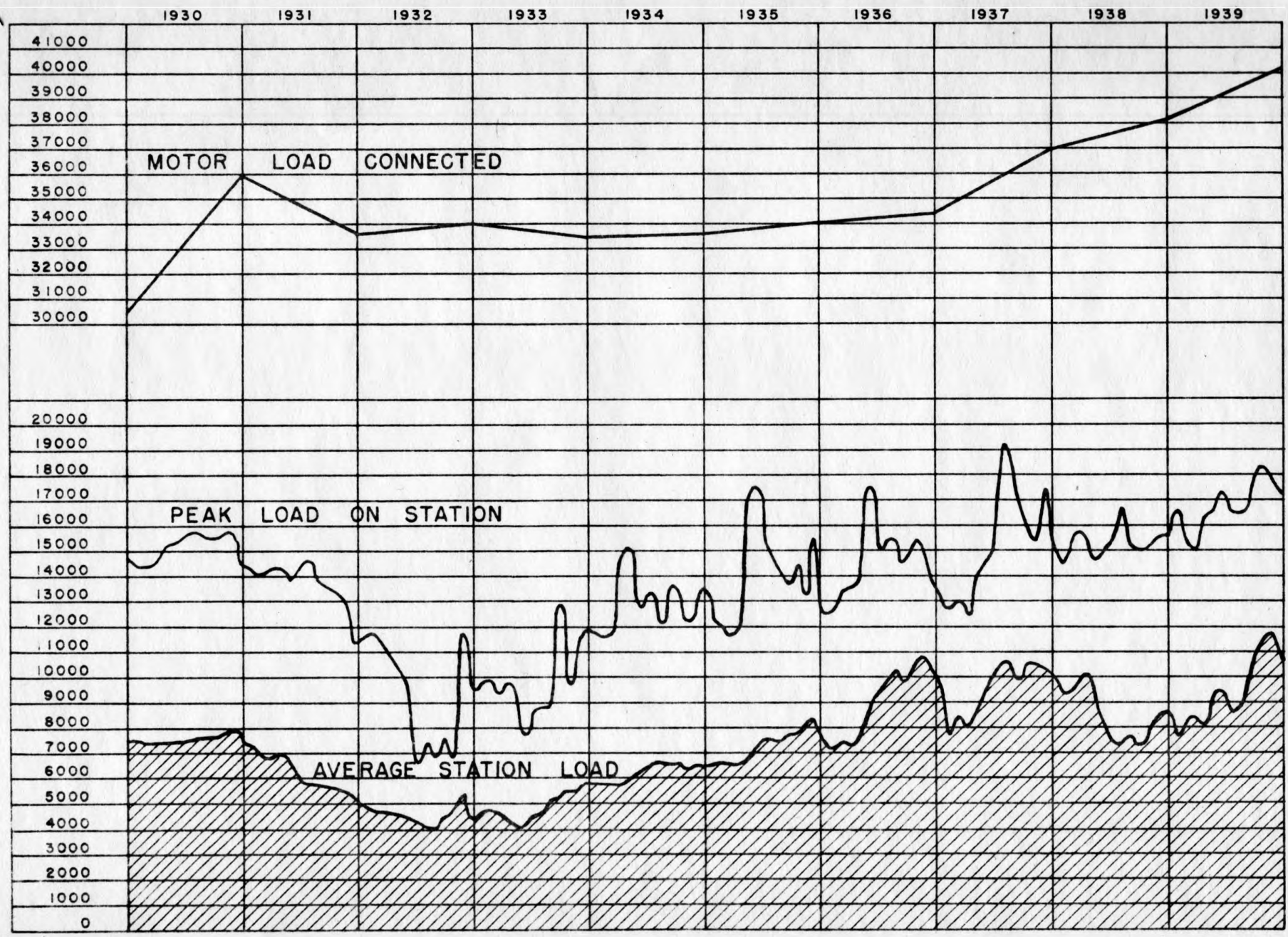


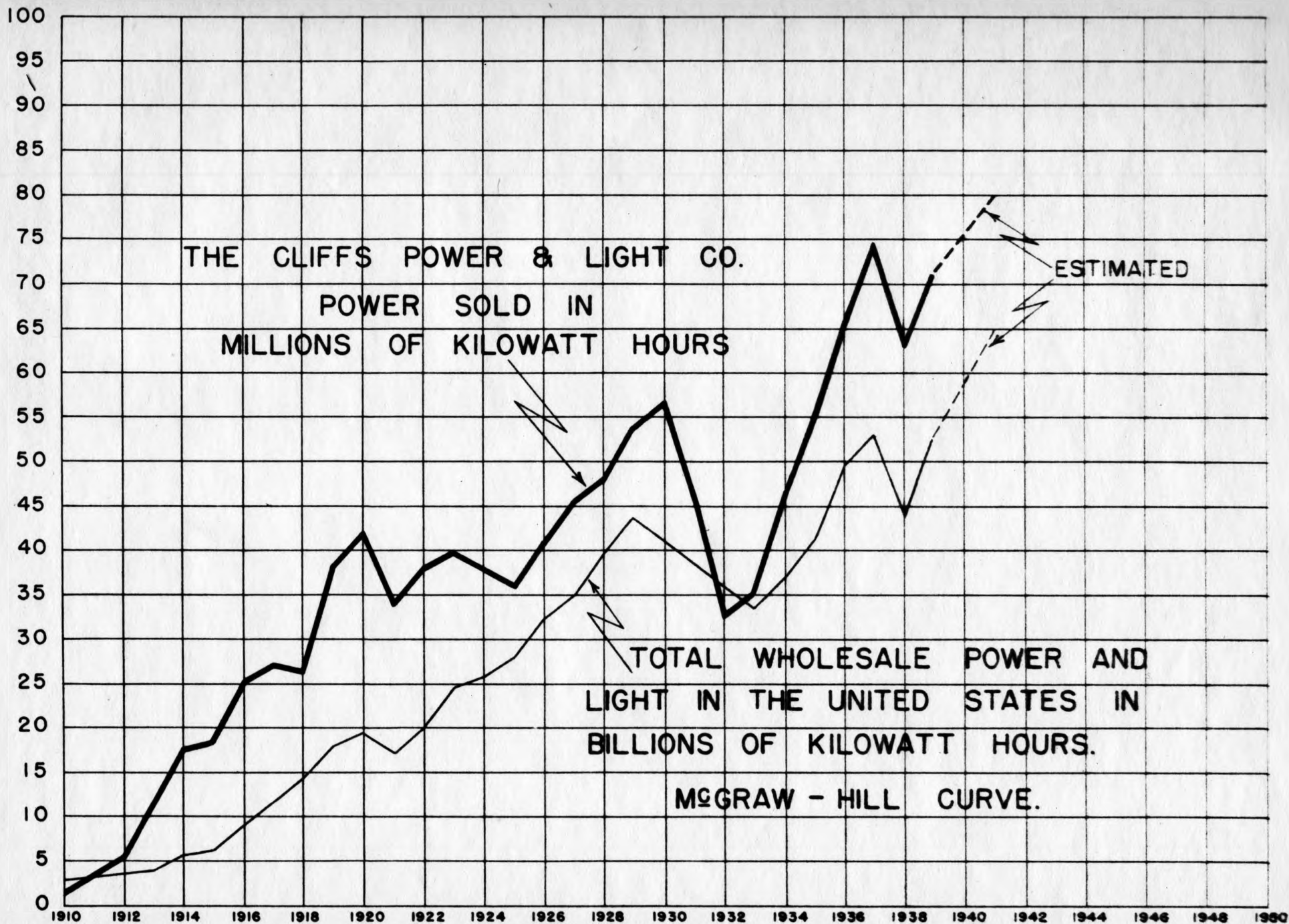
M'CLURE	49.3%
CARP	18.8
HOIST	17.0
AU TRAIN	5.9
ESCANABA	3.9
REPUBLIC	1.3
PURCHASED	3.8

PRECIPITATION BY YEARS



KILOWATTS





WELFARE DEPT. ANNUAL REPORT YEAR 1939

The Welfare Department has operated throughout the year 1939 in the usual manner. This department handles matters pertaining to the general welfare of employees, various public relations activities, workmen's compensation, group insurance, pensions, donations, retirement allowances, regular and special relief cases, various problems dealing with the health of our employees, and all other services which naturally come within the province of an industrial welfare department.

The department was previously known as the Pension Department and for many years Mr. W. H. Moulton, who retired on July 1, 1938, held the title of Secretary. In July of 1938 the name of the department became the Welfare Department and the supervising officer was given the title of Superintendent.

Mr. Moulton has been contacted from time to time relative to the securing of information dealing with some cases of long standing. It is made a matter of record here that his cooperation has been excellent and appreciated.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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

This case was argued before the full board on October 24, 1939, but, as yet, no decision from the Department of Labor and Industry has been received.

JOHN MANNIKKO - Lloyd Mine - Acc. Rept. No. 792B

A hearing before the Deputy Commissioner was had on January 30, 1939, and Mannikko was given an award of compensation of eighteen dollars a week from the time he was disabled and until conditions warrant a change. The Commissioner held that the ladder had shifted while Mannikko was unhooking the pulley block and that an accident had occurred within the meaning of the Workmen's Compensation Law.

CHARLES SIMO - Athens Mine - Acc. Rept. No. 359

Simo suffered a fracture of the right ankle on February 23, 1939 when he was struck by a load of lagging which he was hoisting. The regular report of compensable accident was filed with the Department. On March 7, 1939 he suffered a heart attack and died on March 8, the death certificate stating that death was due to coronary thrombosis. Simo was seventy years old, and we learned during the course of a regular physical examination shortly before his accident that his heart was not in good shape. In fact he had been scheduled to go on the Retirement Roll as soon as it was inaugurated, but he died a week before the plan went into effect. We took the position that death was not due to the accident, although legally we found that there might be some liability. Simo had been slated to go on the Retirement Roll at thirty dollars per month, and after his death Mrs. Simo was advised that she would be placed on the Roll at fifteen dollars a month. On July 18, 1939 Mrs. Anna Simo, his widow, made claim for compensation, and the matter was set for a hearing on October 17, 1939. Because of Simo's advanced age and the condition of his heart we felt that the Department probably would take the stand that he died of shock following his injury, and if they gave her an award it would be at the rate of eighteen dollars a week for three hundred weeks. It was thought better to compromise this case, so a stipulation was entered into through her attorneys whereby we would put her on the Retirement Roll at forty dollars a month, a part of the stipulation being that they would agree that death was not the result of said accident. On October 21, 1939 we received an award from the Deputy Commissioner which denied compensation and stated that testimony establishes that decedent did not lose his life as a result of an accident on February 23, 1939.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

11. a. WORKMEN'S COMPENSATION (Continued)

FRED L. PRUDOM - Athens Mine - Acc. Rept. No. 357A

On November 21, 1938 Prudom and his partner were repairing the side of a drift at the Athens Mine. They had worked for about an hour when Prudom told his partner that he was not feeling well, and he sat down on a brace between two pieces of timber to rest. There was a little work to be finished, so his partner continued with this work. Hearing a commotion, he looked around and saw that Prudom had fallen forward on his face apparently in a fit. His partner called for help, and two men in an adjoining contract came in, the mine foreman arriving shortly after. They found that Prudom was rigid, but this rigidity passed in a few moments and they sat him on a pile of ore. About fifteen minutes later he had another spell which was not quite so severe, but this time he did not fall. His face was badly lacerated, and two or three days later he complained of pain in his neck, and an x-ray revealed a fracture of the seventh cervical vertebra with no displacement. He had been suffering from rheumatism in his legs and arms for a couple of years. Following the occurrence on November 21, 1938 his condition seemed to become worse, and it was apparent that he would be unable to work for a long time. Prudom rather felt that he had sustained an accident, and because of his rheumatic condition he expressed a willingness to retire if he could receive a sum which would permit him to live without being a burden on his son with whom he boards. An offer to place him on the Retirement Roll at forty dollars a month was satisfactory with Prudom and this has been done.

WILFRED RUEL - Athens Mine - Acc. Rept. No. 351A

Ruel was employed as a steamshovel laborer at the Athens Mine. On October 7, 1937 they were spotting a car with the steam shovel. A chain had been hooked from the shovel dipper to the car, and Ruel carelessly walked between the car and the dipper of the steamshovel; and when the crane raised the dipper, Ruel was caught between it and the railroad car. He suffered a bruised chest wall and a bruised right hip. He continued to work and remained at work until October 5, 1938 when he suffered an attack of arthritis and was placed on group insurance. When he had recovered from this illness in January of 1939, things had slacked off at the mine and there was no work for him. He was not re-employed. During the summer of 1939 he filed a claim for compensation through his attorney, Ray Derham, and the matter was set for a hearing. On December 18, 1939 his attorney withdrew the application for adjustment.

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

Newman was fatally injured on April 15, 1939. He was employed as a pumpman and was to have reported for work at 11:00 P.M. on the night of April 15th to relieve Bert LaRock, the pumpman who had worked the afternoon shift. When Newman did not relieve him at eleven o'clock, LaRock climbed the pit stairway and followed the trav-

WELFARE DEPT. ANNUAL REPORT YEAR 1939

11.
a. WORKMEN'S COMPENSATION (Continued)

LAWRENCE P. NEWMAN - Canisteo Mine (Continued)

elling road to the spot where Newman ordinarily parked his truck. It was approximately midnight when he got there, and there was no sign of the Newman truck so LaRock returned to his station and worked until the following morning. When LaRock came out of the pumphouse early in the morning he happened to look up along the discharge pipe line and saw Newman's body. Newman's car was also found in the usual parking place in the morning, but just when he arrived for work is unknown. Apparently he realized he was quite late and rather than take the regular travelling road which is a good deal longer, he decided to follow the discharge pipe line down into the pit. This route was never used for a travelling road and is considered extremely dangerous even in the daytime. He had evidently stumbled and fallen, striking his head on the rocks and fracturing his skull and lacerating his head. He carried a flashlight but did not use it as it was found in his pocket. We filed a denial of liability with the Industrial Commission on May 9, 1939 on the grounds that Newman had violated our safety rules and regulations and that the accident was caused by the gross and willful negligence of the employee. On December 1, 1939 we received a letter from Mr. C. V. Hammerstrom, a compensation attorney employed by the Industrial Commission of Minnesota, in which he states that the facts developed are substantially the same as those reported by us, but it is his conclusion that the widow is entitled to compensation, so this matter undoubtedly will be set for a hearing early in 1940.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

11.
a. WORKMEN'S COMPENSATION (Continued)

FATALITIES:

The following fatality occurred in 1939.

Edwin W. Merrila
Age 31

C. P. & L. Company
 Occurred July 17, 1939
 Fell from crane while hanging
 ventilating tubing in the Maas
 Mine engine house.
 Single. No dependents.
 Died July 29, 1939
 Compensation due to date of death
 Funeral expense

\$ 15.00
200.00

\$215.00

WELFARE DEPT. ANNUAL REPORT YEAR 1939

11.

a. WORKMEN'S COMPENSATION (Continued)

Following is a list of the more serious cases occurring during 1939 other than fatalities:

<u>Mine and Report No.</u>	<u>Name</u>	<u>Nature of Injury</u>	<u>Compensation Paid</u>
Cliffs-Shaft #1102	Arvid Mantynen	Fracture, body of right scapula with displacement.	396.00
Maas #537	Herbert Blomquist	Complete fracture, middle of right tibia and fibula and fracture of right external malleolus. Occurred 12/20/39.	0.00*
Lloyd #799	William Haglund	Fracture, right fibula.	375.00
Negaunee #642	Peter Larson	Fracture, internal malleolus, right ankle.	252.00*
Negaunee #646	John Juidici	Fracture of left fibula and left internal malleolus.	18.00*
Spies-Virgil #147	Murino Bernucci	Amputation, right index finger.	504.00*
Spies-Virgil #148	Hadar Peterson	Compound fracture, base of right middle finger later resulting in amputation.	504.00*
Hill-Trumbull #87	Andre Sasah	Loss of right eye.	531.57*

*Payments still being made.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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>Canistota 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	35,644.38	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
Totals	\$1,307,482.61	183,425.24	120,924.84	14,494.42	83,081.57	2,131.39	2,768.69	5,382.63	1,719,691.39

WELFARE DEPT. ANNUAL REPORT YEAR 1939

- 11.
- a. WORKMEN'S COMPENSATION (Continued)

ANNUAL STATEMENT OF COMPENSATION PAYMENTS
FROM JANUARY 1st, 1939 to DECEMBER 31st, 1939

Compensation paid on 1939 accidents	\$ 6203.53	
Compensation still pending	53842.20	
Cost of medical and hospital service--also special exp.	<u>19053.05</u>	
		79098.78
Less pending for years 1929 to 1938 inclusive	47539.06	
Less medical and special expense on accidents occurring prior to January 1, 1939	<u>4104.55</u>	
		<u>51643.61</u>
Cost of 1939 accidents	\$ 27455.17	
Percentage of payrolls		.00783
Number of fatal accidents		1
Number of compensable accidents		44
Number of non-compensable accidents		9
Number of slight accidents		403

The above figures, and those on the large compensation sheet, cover only those accidents on which we carry our own risk.

Our experience under the insurance plan for Michigan properties is shown on another statement.

ANNUAL REPORT - 1939
STATEMENT OF COMPENSATION PAYMENTS FROM
JANUARY 1, 1939 TO DECEMBER 31, 1939

	Average No. of Employees	No. of Fatal Accs.	No. of Non-fatal Accidents		Actual Comp. Paid in 1939	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	Estimated Compensation Still Pending	Medical & Special Expense	Fatal Cases Pending	Injury Cases Pending	
Cliffs-Shaft	595		4	55	9236.60						1809.60	1872.00	936.00	306.00	3536.00	777.00	17,329.67	2434.50	6	3	
Cliffs-Shaft Laboratory	10																60.00				
Chief of Police																	50				
District Welfare	4				624.00				624.00								25.00			1	
Employee Wood, Gwinn District					1094.08									158.08	936.00		1,452.00	164.00		2	
Gardner-Mackinaw	27			1													755.00	17.00			
General Storehouse	128			16													19.25	3.00			
General Welfare	3																				
Geological Department	3																				
Gwinn Office	1																				
Holmes					800.40																
Ishpeming Hospital	55			4																	
Ishpeming Office	21			1																	
Lloyd	201		3	1	6611.23																
Mass	404		13	1	5851.16																
Mechanical Engineering	5							936.00													
Mining Engineering	7			1																	
Miscellaneous	14																				
Purchasing Department	3																				
Safety Department	2																				
Shipping Department	5																				
Spies-Virgil	73		2	4	1170.00																
Tilden	24			1	936.00																
Uncompleted Const. E & A #689					936.00																
Workmen's Compensation	2																				
Chemical Plant					478.40					478.40											
Cleveland Roll	12																				
The Cliffs Power & Light Company	80	1		13	215.00																
The Negaunee Mine Company	360		9	2	67	5026.99	684.00	994.24			915.20			1002.56	416.99	1014.00	5,633.24	2157.00	1	9	
The Athens Iron Mining Company	327		8	2	52	4134.60					116.48			1033.12	2070.00	915.00	5,566.96	2703.89	1	4	
Total - Michigan Mines	2162	1	39	6	354	37,314.46	684.00	3198.64	936.00	624.00	478.40	3777.28	1872.00	2678.67	8202.48	9283.99	5579.00	50,225.47	17,096.05	9	38
Hibbing Office	17			2																	
Holman-Brown	15			2																	
Canisteo	109		1	1	12	861.65															
Hill-Trumbull	154		4	26	1291.69									468.00		395.65	624.55	1,143.00	1	1	
Total - Minnesota Mines	295		5	3	49	2,153.34		667.16					468.00		395.65	624.55	3,616.73	1,967.00	2	1	
Total - All Mines	2457	1	44	9	403	39,467.80	684.00	3865.80	936.00	624.00	478.40	3777.28	1872.00	3146.67	8202.48	9677.64	6203.53	53,842.20	19,053.05	11	39

This statement covers only those accidents on which we carried our own risk.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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 completes payments of all cases that originated during the year our contract with the insurance company was in force.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

11.

a. WORKMEN'S COMPENSATION (Continued)

The compensation risk at the different mining properties was carried by the Fidelity and Casualty Company of New York from May 17, 1933 to May 16, 1934, inclusive.

During the year The Fidelity and Casualty Company completed payments in the John Levanemi and Gust Luoma cases, both fatalities.

The attached statement shows the final result of our experience with the insurance company.

	<u>C.C.I. Co.</u>	<u>C.P.&L. Co.</u>	<u>Negaunee Mine Co.</u>	<u>Athens Iron Mining Co.</u>	<u>Total</u>
Premium earned	9,197.47	664.87	1,564.67	1,338.09	12,765.10
Medical expense	4,014.43	164.30	814.99	727.16	5,720.88
Cost to Company	13,211.90	829.17	2,379.66	2,065.25	18,485.98
Compensation paid by the Fidelity & Casualty Co.					
1933	973.60		89.88		1,063.48
1934	3,479.60	811.52	386.68	24.01	4,701.81
1935	2,034.00	757.12			2,791.12
1936	1,750.05	757.12			2,507.17
1937	2,092.40	757.12			2,849.52
1938	3,813.78	757.12			4,570.90
1939	216.00	728.00			944.00
Total compensation pay'ts	14,359.43	4,568.00	476.56	24.01	19,428.00
Premium earned as above					12,765.10
Loss to Insurance Company					6,662.90

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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

WELFARE DEPT. ANNUAL REPORT YEAR 1939

11. a. WORKMEN'S COMPENSATION (Continued)

The following made up the personnel of our Michigan Compensation Department for the year 1939:

- James F. Shepherd, Chairman
- Isabel Larwill
- Charles H. Mahoney
- Daniel A. Knaggs
- John H. Thorpe
- Joseph Ashmore, Secretary
- John L. Boer, Asst. Secretary

Michael J. DeFant of Negaunee 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 1939

11. a. WORKMEN'S COMPENSATION (Continued)

MINNESOTA COMPENSATION LAW

There were no changes made in the Minnesota Law in 1939.

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 1939

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 1939

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.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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 benefitted by it.

The following statement shows the total cost for the policy year ending September 30, 1939. It includes all cases in which disability began prior to September 30, 1939.

	<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	3750.00	45	3310.27	47	7060.27
Gardner-Mackinaw	1	1875.00	1	94.29	2	1969.29
General Roll			10	344.99	10	344.99
General Storehouse & Shops	2	3125.00	12	641.43	14	3766.43
Ishpeming Hospital			8	662.14	8	662.14
Lloyd	1	1875.00	18	986.28	18	2861.28
Maas	5	8125.00	65	3393.43	68	11518.43
Spies-Virgil	1	1250.00	4	221.14	5	1471.14
Tilden	-	-	-	-	-	-
Retirement Roll	3	4375.00	-	-	3	4375.00
Total C. C. I. Co.	15	24,375.00	163	9,653.97	175	34,028.97
The Negaunee Mine Co.			47	2344.58	47	2344.58
The Athens Iron Mining Co.	2	3125.00	55	3151.42	57	6276.42
The C. P. & L. Company	1	1250.00	6	268.28	7	1518.28
Total All Companies	18	28,750.00	271	15,418.25	286	44,168.25

Three of the eighteen 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 1939

11.
c. GROUP INSURANCE (Continued)

The following deaths occurred during the policy year ending September 30, 1939.

	<u>Mine</u>	<u>Date of Death</u>	<u>Amount of Insurance</u>
Vaino L. Etelamaki	Athens Mine	11-21-38	\$ 1875.00
Charles Simo	"	3-8-39	1250.00
William T. Ninnis	Cliffs-Shaft	12-23-38	1875.00
Victor Kampinen	"	4-1-39	1875.00
Edwin Merrila	C. P. & L. Co.	7-29-39	1250.00
Matt Maunula	Gardner-Mackinaw	12-21-38	1875.00
Peter Nordeen, Sr.	General Storehouse	12-23-38	1250.00
Patrick Maloney	"	2-1-39	1875.00
Edward Barry	Lloyd Mine	3-31-39	1875.00
Victor Maki	Maas Mine	12-11-38	1875.00
John Ekoluoma	"	1-20-39	1875.00
Oscar Lahtinen	"	7-5-39	1875.00
James Hawke	"	9-6-39	1250.00
Gust S. Simonson	"	9-28-39	1250.00
John Frantti	Spies-Virgil	5-30-39	1250.00
Gust Dahlstrom	Retirement Roll	4-24-39	1250.00
Isaac Risku	"	5-10-39	1875.00
Peter Solberg	"	5-16-39	1250.00

Vaino L. Etelamaki, William T. Ninnis, and Edwin Merrila were killed in the course of their employment.

John Frantti was a suicide.

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23.

a. PENSION SYSTEM.

The pension system which went into effect on January 1, 1909 completed the thirty-first year of its operation in 1939.

No changes in the rates of pensions were made during the year 1939. 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 1939.

The following Mining Department pensioners passed away during 1939:

<u>No.</u>	<u>Name</u>	<u>Date Pensioned</u>	<u>Date Died</u>
53	Carl Bergman	5-1-1914	7-15-1939
60	Charles Ayotte	3-1-1915	11- 8-1939
118	Theotime Garceau	6-1-1921	3- -1939
209	Alfred Collick	5-1-1927	2-11-1939
223	Henry Wiik	1-1-1928	1- 4-1939
238	Alfred Hebbard	4-1-1929	3-21-1939
244	Frank Williams	1-1-1930	3-24-1939
255	Alex Torpinen	1-1-1931	5-23-1939

	<u>1938</u>	<u>1939</u>
Number of pensions granted during the year	0	0
Number of deaths	6	8
Number of Old Age pensions in force December 31, 1939	63	55
Average annual pension	\$291.43	\$300.80

There was no change in the Furnace Department pension payroll during the year 1939.

On December 31, 1939 there were five pensioners on the Furnace Department pension roll and the average annual pension of this group was \$274.99.

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23.

a. PENSION SYSTEM (Continued)Republic Mine.

During the year 1939 no new names were added to the pension roll.

There was no change in the Republic Mine pension roll during the year. There were seven pensioners remaining on the roll on December 31, 1939.

The average annual pension for the year 1938 was \$289.55. The average annual pension for the year 1939 was \$266.98.

The payments made from October 1, 1920 to December 31, 1939, 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	2028.88
1939	<u>1868.88</u>

\$138149.05

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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	53779.24
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
	<u>\$725036.70</u>	<u>\$22547.00</u>	<u>\$ 747583.70</u>
Payment made by Cleveland Office in 1930	<u>2500.00</u>		<u>2500.00</u>
	<u>\$ 727536.70</u>	<u>\$ 22547.00</u>	<u>\$ 750083.70</u>

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

a. PENSION SYSTEM (Continued)

Furnace Department.

The pension payments for the years 1910 to 1939, 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	781.62	0.00	781.62
1922	1118.04	0.00	1118.04
1923	1179.34	0.00	1179.34
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	<u>1374.96</u>	<u>0.00</u>	<u>1374.96</u>
	\$ 60604.68	\$ 900.00	\$ 61504.68

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. a. PENSION SYSTEM (Continued)

Land Department.

Erick Johnson continued on the pension roll during the year 1939. His annual pension amounts to \$240.00.

Total pension payments from January 1, 1927 to December 31, 1939, 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	<u>240.00</u>
	\$ 3596.88

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

b. REPUBLIC MINE FUNDS

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 balance which remained in the fund was turned over to the Marquette County Chapter of the American Red Cross. A portion of this fund was at that time retained in the Miners' First National Bank at Ishpeming to take care of any outstanding checks or any claims which might be made by any persons who had paid into the fund and who had not been reached in any way during the period that these funds were being divided. No claims against the fund have been made for a period of about nine years. It is recommended that these funds be carried separately for one more year and that they be closed out as of January 1, 1941. It seems unnecessary to carry these funds as separate funds for a longer period of time.

The funds are now in the re-organized Miners' First National Bank and the following statements agree with the bank book in each case.

Deposit Account #1672
Republic Mine Fatal Accident Fund

Miners' First National Bank:	
Balance on hand December 31, 1938	\$194.69
Interest for 1939	<u>2.92</u>
Total	\$197.61

Deposit Account #1673
Republic Mine Relief and Sick Benefit Fund

Miners' First National Bank:	
Balance on hand December 31, 1938	\$ 68.43
Interest for 1939	<u>1.02</u>
Total	\$ 69.45

After the club organization in Republic was no longer active the club voted to turn over the unexpended balance to the American Red Cross. It was the understanding that this unexpended balance was to be used in Republic only for any relief or welfare projects. A committee, composed of Mr. E. L. Pearce, Chairman of the Marquette County Chapter of the American Red Cross, Mr. E. S. Bice, Treasurer of that organization, and Walter F. Gries, a member of the Board of Directors, keeps in touch with the needs at Republic in connection with the Republic Hospital and with problems dealing with relief and welfare. The fund has from time to time paid for the fuel to heat the

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

b. REPUBLIC MINE FUNDS (Continued)

building which was formerly the Republic Hospital and which is now used as a sort of health center for the entire community. Dr. Van Riper makes daily calls at Republic and he serves the medical needs of the community. His office is in the building formerly used as the Republic Hospital and now the Republic health center. From time to time this special committee of the Marquette County Chapter of the American Red Cross has allocated funds to the Republic committee for general welfare purposes, but particularly for the purchase of fuel to heat the health center.

The balance in this fund on December 31, 1939 was \$264.71.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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 re-checked by the legal department to determine what the present status is and what final disposition will be made of them.

d. VISITING NURSES

The work of the visiting nurses has continued in the usual manner throughout the entire year and their services have been a very great 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 was continued there until October 1, 1927, when the Gwinn mines were closed.

The following nurses were employed during the year:

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 at Ishpeming and Miss Atkin at Negaunee make weekly reports and monthly summaries of their work to the Welfare Department. Periodical reports are received from Miss Laura Fisk of the Iron River District, but starting with January 1, 1940, Miss Fisk has been requested to make regular monthly reports.

WELFARE DEPT. ANNUAL REPORT YEAR 1939.

23.

d. VISITING NURSES.

The following is the report of the Ishpeming visiting nurse for the year 1939:

Total number of patients cared for during year	646
Number of new cases cared for during year	328
Total number of visits to patients	4651
Number of families visited for the first time	41
Number of social calls	102
Number died	13

Classification of new cases for the year:

Number of adults	168	Male	28	Female	140
Number of children	160	Male	70	Female	90

Nationalities of new cases for the year:

American	256	Irish	2
English	12	Italian	13
Finnish	23	Norwegian	3
French	3	Swedish	16

Diseases and number of new cases:

Aenemia	3	Injury	14
Appendicitis	3	Kidney Trouble	4
Asthma	2	Mastoditis	1
Baby Welfare	4	Measles	3
Bowel trouble	6	Nephritis	3
Bronchitis	2	Neuralgia	1
Burns	5	Obstetrical	8
Carcinoma	3	Otitis Media	2
Chicken Pox	1	Phlebitis	1
Cold	22	Pneumonia	12
Convulsions	1	Post Operative	27
Cystitis	7	Prenatal	21
Diabetes	1	Rheumatism	2
Fracture	4	Rupture	3
Gall Bladder	2	Stomach trouble	5
Heart Trouble	10	Thrombosis	1
Hypertension	1	Tonsilitis	8
Infants, newborn	27	Toxoid	9
Infections	27	Unclassified	6
Influenza	43	Undiagnosed	21
		Var. Ulcer	2

Visiting Nurse: Miss Myrtle Welander.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

d. VISITING NURSES.

The following is the report of the Negaunee visiting nurse for the year 1939:

Total number of patients cared for during year	1171
Number of new cases cared for during year	853
Total number of visits to patients	4386
Number of families visited for the first time	19
Number of social calls	370
Number died	6

Classification of new cases for the year:

Number of adults	363	Male	89	Female	274
Number of children	490	Male	249	Female	241

Nationalities of new cases for the year:

American	428	French	10
Danish	1	Irish	1
English	16	Italian	67
Finnish	311	Swedish	19

Diseases and number of new cases:

Aenemia	5	Gen. Debility	5	Pertussis	17
Appendicitis	15	Grippe	158	Pleurisy	3
Asthma	2	Heart Trouble	3	Pneumonia	6
Bowel trouble	33	Hysteria	1	Post Operative	46
Bronchitis	10	Infants, newborn	19	Pregnancy	25
Buerger's disease	1	Infections	30	Quinsy	3
Burns	8	Injury	28	Rheumatism	27
Cellulitis	1	Insanity	1	Rupture	5
Cervical Adenitis	10	Kidney trouble	3	Scarlet Fever	47
Chicken Pox	7	Lumbago	2	Shingles	1
Cholecystitis	5	Mal-nutrition	25	Shock	1
Cystitis	3	Mastoditis	3	Sore eyes	7
Cold	46	Measles	110	Sprains	5
Diabetes	1	Mumps	4	Stomach trouble	10
Eczema	2	Nephritis	4	Tonsilitis	45
Erysipelas	3	Obstetrical	14	Unclassified	6
Goitre	2	Otitis Media	26	Undiagnosed	3
				Var. Ulcer	6

Visiting Nurse: Miss Ina E. Atkin.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

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	646	328	28	140	70	90
Negaunee	<u>1171</u>	<u>853</u>	<u>89</u>	<u>274</u>	<u>249</u>	<u>241</u>
	<u>1817</u>	<u>1181</u>	<u>117</u>	<u>414</u>	<u>319</u>	<u>331</u>

	<u>Total No. of Visits</u>	<u>Number Died</u>	<u>Social Calls</u>	<u>Families Visited for the first time.</u>
Ishpeming	4651	13	102	41
Negaunee	<u>4386</u>	<u>6</u>	<u>370</u>	<u>19</u>
	<u>8927</u>	<u>19</u>	<u>472</u>	<u>60</u>

NATIONALITIES OF CASES.

	<u>American</u>	<u>Danish</u>	<u>English</u>	<u>Finnish</u>	<u>French</u>
Ishpeming	256	0	12	23	3
Negaunee	<u>428</u>	<u>1</u>	<u>16</u>	<u>311</u>	<u>10</u>
	<u>684</u>	<u>1</u>	<u>28</u>	<u>334</u>	<u>13</u>

	<u>Irish</u>	<u>Italian</u>	<u>Norwegian</u>	<u>Swedish</u>
Ishpeming	2	13	3	16
Negaunee	<u>1</u>	<u>67</u>	<u>0</u>	<u>19</u>
	<u>3</u>	<u>80</u>	<u>3</u>	<u>35</u>

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23.

f. NORTH LAKE CLUB

The usual program of supervised recreation and community activity has been carried on throughout the year at the North Lake Club under the supervision of Superintendent C. J. Stakel. Mr. John A. Peterson, clerk at the Lloyd Mine, has carried on his work as Treasurer and Mr. Dewey Urquhart as Director of the club. The Inland Steel Company has cooperated in the usual manner in the operation of the club and their officials have assisted in the regular program which is carried on in the building.

Special use was made of the clubhouse for a portion of 1939 because of the burning of the North Lake school. For several months classes were held in the clubhouse, but the new school is now opened and regular programs are being carried on in the North Lake clubhouse. The employees of our Company and the Inland Steel Company and their families have enjoyed the benefits of the clubhouse and the programs offered there. The clubhouse serves as a community center for practically all of the activities in the North Lake District as well as in Ishpeming Township.

Following is the statement showing the receipts and expenditures for 1939:

	<u>TOTAL FOR YEAR</u>
<u>RECEIPTS:</u>	
Membership Fees	\$ 385.50
Bowling Alleys	215.00
Pool and Billiards	57.55
Telephone Tolls	<u>27.46</u>
TOTAL	685.51
<u>EXPENDITURES:</u>	
Building Maintenance	308.38
Equipment	25.13
Lighting	118.64
Heating	528.08
Water	60.00
Bowling Alleys	246.13
Pool Room	23.28
Office Expense-Telephone	48.12
Salaries and Wages	2,011.00
Reading Room	35.30
Miscellaneous	23.05
Telephone Tolls	26.19
Personal Injury Expense	43.81
Unemployment Insurance Tax	71.92
Old Age Benefit Tax	21.68
Fire and Boiler Insurance	<u>133.74</u>
TOTAL	3,724.45
Deficit	3,038.94
Charged to Inland	<u>960.00</u>
Balance to Lloyd	\$ 2,078.94

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

g. GWINN ASSOCIATION

Mr. E. L. Miller has continued in charge of the work at the Gwinn Clubhouse throughout the year. He has recovered from an illness of a year ago and his physical condition seems to be very much improved.

Attention is again called to the fact that after our property shut down in the Gwinn District a new plan of operation went into effect on October 21, 1927. At this time the Company reduced its payment to \$50.00 per month, paying this amount in order to maintain control and supervision of the club. In November, 1932 it was decided to reduce the payment made by the men to twenty-five cents per month, the Company paying an additional twenty-five cents. This plan has been continued and every month a check is sent to the Gwinn Clubhouse and the check includes the twenty-five cents donation from the Company for each man, as well as the twenty-five cents from each man in the Gwinn District.

The clubhouse at Gwinn is used by the school as the athletic center for the whole school district and Mr. Miller acts as one of the athletic instructors. The Gwinn Clubhouse is a very active place and serves a 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 1939

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 1939.

MEMBERSHIP.

Number on roll January 1, 1939	253
Number on roll January 1, 1940	240
High membership for year - October	260
Low membership for year - April	222
Average monthly membership	241

ATTENDANCE.

The attendance at the building was slightly under the previous year and was due to the fact that more outdoor activities during the summer months kept the members interested. Also, the fact that during the last quarter in the year the men employed at the mines were working more days in the week.

Total estimated attendance at building during year	69725
Average monthly attendance at building	5810
High monthly attendance - December	8900
Low monthly attendance - August	3200

The attendance at the outdoor activities showed a slight increase and the trend shows that more people want to engage in activities rather than be spectators. This holds true for both men and women. The following estimated attendance covers all activities conducted by the Association or where the equipment was furnished by the Asspcoation 25150.

SUMMARY - RECEIPTS AND EXPENDITURES:

Taken from December financial statement;

Total receipts including 1938 balance	\$ 5705.79
Total expenditures for year	<u>4309.30</u>
Balance January 1, 1940	\$ 1396.49

BUFFET - BILLIARDS - BOWLING ACCOUNTS.

Receipts for year	506.00
Expenditures for year	<u>336.88</u>
Profit	169.12

Receipts from Membership and Rental \$ 3687.50

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23.

g. GWINN ASSOCIATION (Continued)GENERAL ACTIVITIES AND ORGANIZATIONS USING BUILDING.

- 14 Committee meetings.
- 16 Meetings by Women's Study Club.
- 25 nights' play in Men's Cribbage League - 1 banquet.
- 15 sessions in Women's Bridge and Cribbage League - 1 lunch.
- 7 meetings Sportsmen's Association - # 3 special entertainments.
- 7 meetings Red Cross Health class.
- 11 meetings by State Extension workers.
- 2 Married Folks parties; cards, dancing and miscellaneous games.
- 57 meetings Unemployment adjusters- received registrations.
- 2 wedding anniversaries celebrated.
- 5 meetings by G G G (Young Women's Group).
- 4 miscellaneous wedding showers.
- 7 rehearsals for plays.
- 2 Ex-service Club meetings.
- 1 lecture with movie for women.
- 27 dances held during year; 2 by Scouts to raise funds- 11 social dances by High School students; 6 public dances to raise funds by different organizations; 4 listed below under Special Events, and 4 by other organizations.
- 170 all-day sessions of kindergarten school.
- 57 times equipment (Card tables, chairs, dishes, etc.,) loaned for family parties.
- 78 lunches were served kindergarten pupils in club kitchen.

ANNUAL - or Events of Special Interest. (Not included in above)

Annual Mother's Party	by Girl Scouts.
Annual Ceremonial	by Girl Scouts.
Annual Banquet	by Sportsmen's Association.
Annual Formal Dinner	by Girl Scouts
Annual Junior Party	by High School Junior Class.
Annual Hunters' Ball	by Sportsmen's Association
Annual Masquerade Dance	by Senior High School
Annual Hallowe'en Round-Up	by Junior High School
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).

- 10 meetings Methodist Ladies Aid - 3 sales.
- 17 meetings Gwinn Ladies Aid - 1 pot luck dinner.
- 11 card parties - 1 meeting - St. Anthony's Guild.
- 10 meetings - 1 hobby lobby program - Missionary Society.
- 19 rehearsals by choir- 7 rehearsals for plays by all organizations.
- 2 meetings by Dorcas Society.
- 2 church suppoer to raise funds.

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23.

g. GWINN ASSOCIATION (Continued)LIBRARY AND READING ROOM.

During the year 24 new books were added to the library, mostly fiction. The library was closed two weeks during the summer and all books were checked, and repaired, and 38 books were withdrawn on account of bad condition. Withdrawals were less during the year and this is due to the fact that local school has added many new books and students are making more use of the school library.

Number of books withdrawn on cards during the year 1791.

All magazines received by the Club were much appreciated and the better magazines were being read on account of the interest in World affairs. The club subscribed for all magazines for a two-year period and the following are received and placed in service:

Weekly magazines	5	Daily newspapers	3
Monthly magazines	18	Weekly newspapers	2

GENERAL RECREATION ROOM.

This room contains 3 pool and billiard tables and 1 table tennis table and 1 3-board checker table. During the winter months this equipment is used extensively. However, the pool and billiard tables are not used as much as in previous years.

CARD PLAYING FACILITIES.

Card playing facilities are available for men and women senior members; minors are not permitted to play. A men's Cribbage League is sponsored and during the winter a 20 week schedule will be covered, with six teams entered in the league. Women are organized in a Bridge and Cribbage League and will continue to play until the first of May. During the day many members pass their leisure time in social games of cribbage, bridge, pinochle and smear.

BOWLING.

On account of extensive repairs to the alleys this fall the alleys were not opened until Christmas Day. During the first part of January leagues for both men and women will get underway. Indications are that about the same number will take part as last year, when a 9-team women's league completed a schedule of 48 games. The men's league consisted of 8 teams and run a schedule of 42 games. The senior class of the local High School use the alleys for instruction as part of their physical education program.

BAND.

The Club band has failed to get together and no doubt will not appear in any future reports. When any music of this type is now needed it is usually furnished by the High School band, which numbers 34 members and is under capable direction.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

g. GWINN ASSOCIATION (Continued)

PHYSICAL RECREATIONS AND ATHLETIC DEPARTMENT.

This includes all activities in the gymnasium and all outdoor recreations; such as, sponsoring and furnishing equipment for teams at the Austin, Princeton, and Swanzy locations, and two Gwinn teams in the soft-ball league. Also, soft-ball equipment for junior boys and women. Equipping and supervision of the Club entry in the County Hard-Ball League and supervision of tennis court, horseshoe court and Bass Lake cottage and grounds.

The Association also furnishes equipment for some activities that are supervised by outside agencies.

Summary of Supervised Work: Gymnasium.

	<u>Periods</u>	<u>Attendance</u>
High School classes (Girls)	132	3154
High School classes (Boys)	140	3308
High School classes (mixed dancing)	26	512
High School basketball practice	78	948
Tap dancing classes	39	401
Club Team basketball classes - practice	50	466
Junior boys - play period	21	1283
Swimming pool (not operated)		
	<u>485</u>	<u>10,072</u>

The following basketball games were played under Association supervision:

- High School team played 4 games at home and 9 away
- Club team played 9 games at home and 4 away.
- Club team also entered two tournaments playing 9 games, winning third place in the Upper Peninsula tournament held at Negaunee.
- Junior League and tournament 69 games.
- Attendance at all home games and practice sessions 5000.
- Annual High School physical education exhibition - attendance . . 200.

OUTDOOR ACTIVITIES.

Club baseball team entered in County League, played 8 games at home 4 away. Attendance at all home games and practice sessions 3720.

The Club again sponsored the district softball league, consisting of six teams, playing a 60 game schedule and play-off series. Several teams entered outside tournaments and played 14 games. They also played 11 games with outside teams.

Attendance at all home games 11050

Junior softball teams for boys and women played 179 games at home and 4 with outside teams. Attendance, including participants 5400

The tennis court was in condition for play 81 days during the season. Attendance 1035

Horseshoe court and miscellaneous playground games, including touch football, attendance 1850

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. g. GWINN ASSOCIATION (Continued)

BASS LAKE CAMP.

The Club cottage opened June 15th and closed with the annual rabbit supper by Sportsmen's Association, on November 5th. The same arrangement covering the use of boats and cottage was in effect as last year. That is, Club members were permitted the use of boats and cottage at no charge.

Some needed repairs were made on cottage; new floor placed on one side of porch and new screen added. The roof over entire cottage was given a coat of tar. The Cleveland-Cliffs Iron Company arranged for payment of caretaker.

48 basket picnics - different groups.
950 bathers.

COTTAGE.

	<u>No. in Party</u>
5 different families used camp 3 to 7 days.	60
1 group Older Boys " " 5 days	.6
Troop No. 1- Girl Scouts " " 3 days	11
Troop No. 2 Girl Scouts " " 4 days	16
Troop # 14 Boy Scouts " " 4 days	14
11 families used cottage for all-day Sunday picnics	250
Annual Rabbit Supper (Sportsmen's Association)	43
Annual Picnic - Negaunee City Band	50
1 church picnic	75
1 school picnic	40

Total attendance at grounds and cottage, including bathers, basket picnics, fishermen, those using cottage, and visitors 2200

SCOUT ACTIVITIES.

The Club continues to sponsor 3 Scout Troops and all were very active throughout the year. The following summary covers activities of the two Girl Scout troops and one Boy Scout troop.

- 128 meetings at club - attendance 2064.
- 9 outdoor meetings for nature study.
- 2 skating parties.
- 9 lunches or dinners were held.
- 3 social parties
- 2 dances to raise funds.
- 15 hikes, either on foot or skis.
- 3 bicycle trips
- 1 annual ceremonial
- 1 annual Mother's party.
- 41 Scouts attended annual camping trips.

Both boys and girls observed Scout Week by putting on programs and attending church services. During the holiday season they assisted on various programs.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

g. GWINN ASSOCIATION (Continued)

The general condition of the building is fair considering the use it has received over the period since it opened in 1910.

All floors were re-varnished and waxed, rooms and toilet floors re-painted, and fencing in rear of club renewed.

The Club receives the same financial assistance from the local Board of Education, the Cliffs Power & Light Company, and The Cleveland-Cliffs Iron Company. Besides the money consideration received from The Cleveland-Cliffs Iron Company they also furnished material to re-coat the entire roof of building, also material for repairing wall, and furnished pipes to replace much of the piping in the hot and cold water system in the building.

The Club made extensive repairs to the bowling alleys and they are now in first class condition. One pool table was re-covered with new bed cloth and new games were added to recreational room.

The coming summer it is the intention of those in charge to make an effort to give the lawn and shrubbery some much needed attention.

23.

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

The Ishpeming Y.M.C.A. building was closed on October 1, 1935 and has remained closed ever since, except for a brief period when a number of relief workers occupied the building and at another time when a group of mining folks from Canada, who were prospecting for gold north of Ishpeming, occupied the building for a short period. Occasionally the building was used during the summer months as headquarters for camp activities. This use was made in connection with Camp Minneyata at Ross Lake which at one time was operated as a Y.M.C.A. camp but which was taken over a few years ago by the Boy Scout Council of Marquette County. At the present time the Boy Scout Council controls Camp Minneyata as far as the upkeep of the property, care and administration are concerned. Groups of Boy Scouts and Girl Scouts, as well as some religious organizations composed of young people, enjoy the facilities of the camp during the whole summer season. An active camp program is carried on and each year the attendance is larger. The local scout council has built up a fine area and the equipment is being added to each year.

During 1936 an effort was made in the City of Ishpeming to re-organize and to have the Y.M.C.A. taken over by the Industrial Association of Ishpeming. The Industrial Association is a business and community organization made up of business men and others interested in industrial promotion in the city. An effort was made to raise sufficient funds to take care of the outstanding indebtedness of the Y.M.C.A., and the building finally was taken over by the City of Ishpeming and eventually turned over to the Ishpeming Industrial Association. The financial campaign which was put on in the community to raise money to pay off the indebtedness and to place the building in use was not wholly successful. The debts on the building were paid off, but within the past few months the building has been entirely closed and no use is made of it at all. The windows have been boarded up and as a matter of record, it is recorded here that it seems that a city the size of Ishpeming certainly should be able to do something to put this available building in proper condition for use in the community, especially for some type of community purpose. It was once suggested that the City Hall was not large enough and possibly the old Y.M.C.A. building could be made over so that a portion of it could be used for city purposes. At the present time it stands out as a failure and the fact that the windows have been boarded up make it stand out quite prominently.

It is hoped that the newly formed Community Chest in Ishpeming, which is in its first year and which attained a very fine record for a first-year organization, may be in position within a few years to raise money enough in the annual drive to place the Ishpeming Y.M.C.A. building again at the disposal of the community for community purposes.

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23.

1. SAFETY WORK

Meetings of the Central Safety Committee were held when necessary throughout the year 1939 to discuss the accidents which had occurred during the year or to bring up for discussion any matters requiring the action of the committee. Meetings were held throughout the year on the following dates:

February 10, 1939
July 21, 1939
September 23, 1939
December 8, 1939

These meetings generally consume two to three hours and all accidents which occurred previous to the meeting and since the last meeting are discussed. New suggestions are discussed and all matters pertaining to the general safety of employees are brought up for consideration.

The following are the present 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

At some of the meetings throughout the year the captains and surface foremen of the various mining properties were in attendance and matters pertaining to their particular connection with safety control were discussed.

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

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

j. HOSPITALS AND MEDICAL SERVICE

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

ISHPEMING HOSPITAL

The Ishpeming Hospital has maintained its fine record of service throughout the year. Our hospital is generally rated as one of the best hospitals north of Milwaukee and the hospital was continued this year on the accredited list of the American College of Physicians and Surgeons. Miss Hildur Swanson, R.N. has continued in charge as Superintendent throughout the year. She has occupied this position since July 1, 1930.

The work of the entire staff, including the nurses and other employees at the hospital, has been superior in every way. The hospital has had a very busy year and because of the installation of new equipment, repairs, decorating of the entire building, and new supplies, an increase in the cost has naturally been the result.

The staff of the Ishpeming Hospital during the year 1939 was made up of the following:

Dr. J. D. Crane, Chief of Staff
Dr. A. W. Erickson
Dr. P. P. Hartt
Dr. W. A. Corcoran
Miss Hildur Swanson, R.N., Superintendent

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

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

Dr. Paine joined our staff following the resignation of Dr. M. J. Gullickson and he entered our employ on April 17, 1939.

Our staff suffered a great loss on December 18, 1939 when Dr. J. D. Crane, Chief of Staff, who had served a long period of time, passed away. Dr. Crane was an outstanding physician and surgeon and he gave unstintingly of himself to his patients and to the community. He had a host of staunch and loyal friends in the community and his type of service will be difficult to replace. Following Dr. Crane's death, Dr. A. W. Erickson has been acting as Chief of Staff.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL (Continued)

Staff meetings have been held at various times throughout the year and they will be continued as a regular part of the hospital's work.

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

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL
STATISTICAL REPORT FOR THE YEAR 1939

Number of patients remaining in the Hospital at beginning of year		27
Number of adult patients admitted	982	
Number of child patients admitted	138	
Number of births	<u>219</u>	
Total new patients for the year 1939		<u>1,339</u>
Total of all patients during the year 1939		1,366
Number of deaths	55	
Number discharged during the year	<u>1,278</u>	
Total number leaving hospital		1,333
Number of patients remaining at end of year 1939		33
Classification of New cases:		
Newborn	219	
Surgical	566	
Medical	315	
Obstetrical	<u>239</u>	
TOTAL		1,339
Number of Operations:		
Major	278	
Minor	249	
Emergency Room	<u>85</u>	
TOTAL		612
Number of patient days		15,388
Average number patients per day		42.2
Average stay per patient (days)		11.5
Number of fracture cases year 1939:		
Cleveland-Cliffs Iron Company	45	
Inland Steel Company	5	
Hercules Powder Company	1	
Oliver Iron Mining Company	5	
Outside Parties	<u>51</u>	
TOTAL		107

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL (Continued)

Number of emergency room cases year 1939:

January	689	
February	544	
March	375	
April	463	
May	766	
June	867	
July	1050	
August	1122	
September	889	
October	892	
November	795	
December	<u>584</u>	
TOTAL	-	9,036

Deaths during the year 1939:

Surgical	12	
Medical	33	
Traumatic injuries	4	
Newborn	4	
Obstetrical	<u>2</u>	
TOTAL	-	55

Deaths within 12 hours	8	
Deaths within 24 hours	7	
Deaths over 48 hours	<u>40</u>	
TOTAL	-	55

Deaths for 1939 classified by diseases:

Cardiac	13	
Pneumonia	7	
Traumatic injuries	3	
Premature birth	3	
Congenital defect	2	
Septicemia	1	
Carcinoma	3	
Diabetes	2	
Streptococic throat	1	
Meningitis	1	
Senility	1	
Intestinal obstruction	1	

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL (Continued)

Deaths for the year 1939 classified by diseases: (Continued)

Cerebral tumor	1
Cerebral hemorrhage	3
Cerebral embolism	1
Peritonitis	2
Post-Partum hemorrhage	1
Mesentery thrombosis	2
Typhoid	1
Emphysema	1
Empyema	2
Gastric Ulcer with hemorrhage	1
Hemiplegia	1
Appendiceal abscess with malignancy	<u>1</u>

TOTAL

55

X-ray Report for 1939:

Extremities	594
Gastro-Intestinal Tract	114
Urinary Tract, Pyleography	40
Disease of Bone	3
Spine	100
Mastoid	2
Sinuses	7
Foreign Body	23
Chest & Heart	300
Skull	52
Fetus	18
Cholecystography	39
Abdomen	17
Fluoroscopic Examination	<u>20</u>

TOTAL

1,328

Number of out patients	824
Number of in patients	<u>414</u>

TOTAL

1,238

Saranac Investigation:

Chests	2,356
Spines, extremities, etc.	<u>18</u>

TOTAL

2,374

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

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

Physio-therapy Report for 1939:

Diathermy	590
Ultra-violet	139
Metabolism	84
Electrocardiograph	<u>27</u>

TOTAL

840

Clinical Laboratory Report May, 1939 to December, 1939:

Saranac Investigation:

Blood Sugar	19
Differential Counts	202
Haemoglobin	705
Red Cell Counts	99
Special Blood Examinations	18
Sputum	4
Urinalysis	1,814
Sedimentation	651
Miscellaneous Examinations	36
Leucocyte Counts	534
Kahns	608
E. K. G.	23
B. M. T.	<u>17</u>

TOTAL

4,730

Regular Laboratory Report for 1939:

Blood Sugars	70
Throat Cultures	41
Coagulation Time	151
Differential Count	189
Feces	65
Gastric Contents	4
Haemoglobin	931
Parasites & Ova	4
Red Cell Count	865
Smears	134

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL (Continued)

Regular Laboratory Report for 1939:

Special Blood Examination	601	
Spinal Fluid	5	
Sputum	27	
Urinalysis	5,498	
Sedimentation	102	
Miscellaneous Examinations	947	
Leucocyte Count	1,117	
Blood Typing	63	
Blood Matching	37	
Kidney Function	8	
	8	
TOTAL		10,859
Pathological Specimens to Ann Arbor		354

Dietary Report for 1939:

Patients Meals	46,064	
Doctors, Nurses, Employees and Visitors	29,066	
Total Meals for the Year	75,130	
Formulas	215	

Special Diet--Patient Days:

Diabetic	652	
Fat Free	89	
Nephritic	387	
Special Soft	8	
High Caloric	91	
Low Protein Salt Free	74	
Sippy	58	
Low Fat	136	
Post-Operative Gastric Ulcer	163	
High Carbohydrate	87	
Gastric Hemorrhage	33	
Low Residue High Caloric	41	
Low Fat High Carbohydrate	35	
Pernicious Anemia	37	
Salt Free	17	

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL (Continued)

Dietary Report for 1939: (Continued)

Low Residue	25
Reducing	39
Milk	5
Initial Ulcer	24
Final Ulcer	49
Sulpher Free	3
High Fat Low Carbohydrate	9
Corbus Peptic Ulcer	2
Modified Sippy	1
High Caloric High Carbohydrate	16
High Vitamin	6
Allergy	4
Modified Soft	12
Low Protein Salt Poor	12

Total Special Diet Patient Days 2,115

Total Special Diet Meals 6,345

Comparative Report of Special Diets:

	<u>1937</u>	<u>1938</u>	<u>1939</u>
Total Special Diet Patient Days	1099	1542	2115
Total Special Diet Meals	3297	4626	6345

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

NEGAUNEE DISPENSARY

The old Negaunee Hospital building, which is in good condition, has been used for several years by the doctors in the Negaunee District as an office building, emergency first aid station, and a dispensary. The Negaunee Dispensary is a very busy place since all of our employees in the Negaunee District go to the Negaunee Dispensary for medical attention. This is a splendid help to our Negaunee employees since they are not compelled to come to the Ishpeming Hospital for medical attention and for medicines. No hospitalization, however, is undertaken at Negaunee. All hospital cases are sent to the Ishpeming Hospital.

Dr. MacIntyre resumed his work, after several months illness, on January 1, 1939 and he has continued throughout the year. He appears to be in good physical condition and has carried on his work in the regular manner throughout the year.

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)

REPUBLIC HOSPITAL

There are no new developments in the Republic District as far as the Republic Hospital is concerned. The building formerly known as the Republic Hospital is now a community health center and the building is kept open for Dr. Van Riper of Champion, who holds daily office hours in Republic. Dr. Van Riper, who takes care of our employees in the Champion District, takes care of practically all the medical work in Champion, Humboldt, Republic, and Ely Townships. He is exceedingly considerate of his people and he does a great deal of work as physician for which he can expect no payment. He renders a very necessary service to the four townships and the committee in charge of the Republic Red Cross Benefit Fund has used the money to heat the Republic community health center so that persons might have a place to go to see the doctor.

An effort was made two years ago to get the Board of Education of Republic Township to assume some responsibility in the future maintenance of the Republic community health center. The School Board, however, has not assumed any responsibility, stating that they were not in position financially to assume any additional responsibility. Some provision will have to be made within the next year to provide for the maintenance of the Republic community health center. If funds are not available from some other source, it will be no longer possible for fuel to be provided for the heating of the building. As stated previously in this report, the money in the Republic Red Cross Benefit Fund has been reduced to \$264.71

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)GWINN HOSPITAL

A doctor is maintained in the Gwinn District and he has his office in what is known as the doctor's home, near the clubhouse. Dr. T. P. Hickey is now our physician at Gwinn and he has just resigned, his resignation taking effect about the middle of January, 1940.

A contact is kept with Dr. Hickey and occasional visits are made to the district. Our medical work in the Gwinn District is being cared for in the proper manner. Medical service is available, not only in Gwinn, but in the surrounding townships. Our doctor generally is made the health officer for the townships adjacent to the Gwinn Area.

IRON RIVER HOSPITAL

Two visits were made during the year to the Iron River District. The Iron River Hospital is now in the eighth year of its service. It is a small unit and it is excellently equipped and seems to be giving very fine service.

During the year Dr. Libby has been contacted several times in connection with physical examinations of our men at the Spies-Virgil Mine. He always has given excellent cooperation and was very well thought of by our employees. We lost a very good doctor and a loyal friend when Dr. Libby died as a result of an automobile accident on November 10, 1939. He has been succeeded in the Iron River District by Dr. L. E. Irvine who was associated with Dr. Libby and who is familiar with the work.

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 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

PHYSICAL EXAMINATION OF EMPLOYEES

The arrangement with the Trudeau Foundation of Saranac, New York continued throughout 1939 with very satisfactory results. Our contract runs from November 1st to October 31st. Mr. Richard F. Libby continues as a representative of the Trudeau Foundation and he is connected with our new Industrial Hygiene Department and has charge of all x-ray examinations.

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)INDUSTRIAL HYGIENE DEPARTMENT

On April 1, 1939 Dr. George Waldie joined our staff as the Director of our new Industrial Hygiene Department. Dr. Waldie came to us very well recommended and he seems to be just the right type of person for the work he is called upon to do. His method and manner of handling men and his attitude towards his work, which, of course, is an important work, is all that could be desired. We have had practically no complaints and the reports in the district indicate that our employees are particularly pleased with Dr. Waldie and the type of examination which he gives and which is quite complete.

A regular schedule of examinations is prepared each week by the Welfare Department for the Industrial Hygiene Department. The schedule is generally given to Dr. Waldie on Thursday or Friday, giving two or three days time to study the previous examinations of the individuals scheduled. Dr. Waldie, after a study of the examinations, re-examines the men, has conferences with them, and instructs them if there is necessity of future treatment. If an employee is found physically fit for the particular employment for which he is being considered, he is merely notified that he may go to work. The Employment Office is advised of the physical fitness of the employee and the assignment to a particular job is then done by the Employment Agent. If an employee is found physically unfit for employment it has been felt that he is entitled to know why he is unfit and what, if any, corrective measures can be taken to assist him in overcoming his physical deficiency. Dr. Waldie has, in all cases where an individual is found unfit, discussed the case with the individual and suggested the type of treatment which seemed necessary. In cases where regular employees are found to have some type of physical deficiency they are requested to come back for a conference and Dr. Waldie then refers them to the physician on our staff, who is known as their regular physician, and such treatment or guidance as may be necessary is given them. At the present time it is estimated that approximately 65 men are receiving some type of treatment or following some suggestions made by our regular staff of doctors and these men are individuals referred by the Industrial Hygiene Department.

An effort is made to examine ten or eleven men each working day in the Industrial Hygiene Department. Medical records are no longer kept in the Welfare Office, but they are kept by Dr. Waldie in the Industrial Hygiene Department. A report is received, however, by the Welfare Department following each examination and this is kept on file so that it is possible to determine at all times whether or not a man is physically fit for the particular type of work he is called upon to do.

WELFARE DEPT. ANNUAL REPORT YEAR 1939

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

INDUSTRIAL HYGIENE DEPARTMENT (Continued)

The following number of examinations have been made up to December 31, 1939:

Cleveland-Cliffs Iron Company	4873
Cliffs Power & Light Company	164
Athens Mine	1111
Negaunee Mine	1320
Inland Steel Company	1364
Pickands, Mather & Company	108
Richmond Iron Company	119
Republic Steel Company	915
Calumet & Hecla Company	27
North Range Mining Company	365
Oliver Iron Mining Company	428
Marquette County Road Commission	10
Hercules Powder Company	80
Total	10,884

Mr. Don Cummings, Director of the Trudeau Foundation Field Staff, visited us several times during the year. Each time we have gone over the list of cases that require special consideration and conferences are then held with the superintendents of the various properties to ascertain what shall be the proper placement for a particular individual or employee requiring special work assignment. The expert services of Mr. Cummings are very helpful and have resulted in the changing about of a good many employees so as to follow strictly the intent of the Michigan Occupational Disease Law.

Dr. Robert F. Berry of Morgan Heights Sanatorium has also been very cooperative. He has assisted in several cases throughout the year where it became necessary or advisable to send employees to the sanatorium for rest and treatment. Dr. Berry has been very cooperative and his services and help are appreciated.

Every man who comes up for regular examination also has a chest film made. These films are sent to Saranac to be studied by Dr. Sampson. Periodically he sends reports back to us, giving the findings in each case and we keep a complete file in the Industrial Hygiene Department on each man. Special cases are discussed with Dr. Waldie and are gone over again with Mr. Cummings when he visits here. Some cases requiring special attention or special treatment, because of recommendations made by Dr. Waldie or Mr. Cummings, are discussed with our General Manager, Mr. S. R. Elliott.

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

INDUSTRIAL HYGIENE DEPARTMENT (Continued)

Physical examinations of our employees have been made for the past several years with very gratifying results. It is felt that the Company, as well as the employees, receive great benefits by the type of health program which has been carried on and which has been extended and promoted during the past year.

k. COMMUNITY HEALTH

The communities surrounding the mines and throughout Marquette County have had a good health record through the past year. Last winter there was a slight epidemic of measles amongst children but it did not last long and it was not serious. There were some cases of scarlet fever, but they were checked before the disease had any opportunity to spread. For the most part the health in the county was very good. The three cities, Ishpeming, Marquette, and Negaunee are under the supervision of active health officers and nurses. In addition to the health officers, each one of the three cities has a full-time school nurse.

During the summer the Michigan Children's Fund, commonly known as the Couzen's Fund, has continued its dental clinic which was started during my time as School Commissioner several years ago. A number of children also are privileged to attend the seven-weeks camp known as Bay Cliff Health Camp near Big Bay in Marquette County. Mr. Moulton serves as Chairman of this camp and I serve as Acting Chairman. The camp is in its fifth year and so far has been supported by funds from the Michigan Children's Fund of Detroit and the Rackham Foundation of Detroit, as well as some contribution from the MacGregor Foundation, also of Detroit. The health education which is provided at the Bay Cliff Health Camp is spread throughout the entire Upper Peninsula and a great many desirable results have been noted. Within a few years this camp will have to be supported by funds from other sources, since the three funds mentioned herein will continue to help, but it is expected that in time the Upper Peninsula itself will make some effort to provide support for the camp.

During the year a new milk ordinance was written and was presented to the Ishpeming City Council. The ordinance is also under consideration in Negaunee. This new ordinance compares very favorably with the ordinance which has been in effect in Marquette for several years and has for its main purpose the assurance that clean milk will be available both in Ishpeming and Negaunee. It is felt that this new milk ordinance in

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23.
k. COMMUNITY HEALTH (Continued)

Ishpeming and Negaunee is very necessary and in keeping with our program of health promotion in the two cities. The Company is spending considerable money in an effort to prevent the spread of tuberculosis and the possibility of a pure and clean milk supply is most important in the promotion of a tuberculosis eradication program. Fortunately the help of the health officers in both cities has been given and it is hoped that the ordinances will be passed early in the year 1940.

The city health officers in Marquette County are:

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

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23.
1. RED CROSS (Continued)

Report of Nurse
Marquette County Chapter
American Red Cross.

School Inspections: 10/1/1938 to 10/1/1939.

Number of schools in County	29
Number of schools examined	29
Number of children	2276

Number of Children with Defects:

Eyes	44
Teeth	1999
Tonsils	155
Orthopedic defects	18
Communicable diseases	12
	<u>2228</u>

Number of days spent at Clinics:

Pre-school and infant	2
Psychiatric	1
Orthopedic	1
	<u>4</u>

Number of children at Dental Clinics:

Number of Children	982
Number of extractions	1490
Number of fillings	689

Children having glasses through Children's Fund,
parents or County paying for prescriptions, 22

Schools receiving surplus commodities 11

Number of children taken to hospitals, schools,
or Health Camp

Orthopedic cases to hospitals	22
to Children's Clinic - Marquette	40
To Bay Cliff Health Camp	13
	<u>75</u>

Investigations Made:

For County	112
Home Visits	929
Red Cross	7
	<u>1038</u>

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23.

1. RED CROSS (Continued)

Report of Nurse (Continued)

Meetings Attended:

District Nurses meetings	5
Child Guidance meetings	2
Maternal Health Clinic	1
Red Cross meeting - Marquette	1
Teachers' Meeting	1
Talks to Schools, Clubs, etc.,	2
Tuberculosis meeting at Powers	1
Tuberculosis meeting at Escanaba	1
Advisory Dental Meeting at Marquette	1

Report of Dental Clinic- June 27th to Sept. 15th, 1939.

<u>Townships</u>	<u>Patients.</u>
Holy Family Orphanage	49
Children's Clinic	17
Michigan Children's Aid	26
Sands	17
Richmond	108
Negaunee	28
Champion	29
Republic	65
Forsyth	91
Wells	33
Powell	43
Skandia	8
Marquette	44
Chocolay	17
Tilden	58
Ely	44
State Children	2
Michigamme	15
Turin	33
Ishpeming	140

Returns 41. Total Number of Children 982.

Dr. D. A. Kerr of the Michigan Children's Clinic was the dentist.

Indigent children having glasses through the Children's Clinic-
prescription paid for by parents or County.

<u>Township</u>	<u>Patients.</u>
Wells	3
Champion	1
Ishpeming	4
Skandia	2
Ely	2
Forsyth	2
Richmond	8
	<u>22</u>

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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</u> <u>for 1939</u>	<u>Total Amount Paid</u> <u>during 1939</u>	
Fred Fredette	\$ 20.00	\$ 240.00	
Sam Metherell	14.40	172.80	
John Aho	14.40	172.80	
Bennett Andrews	16.00	112.00	Died July 7, 1939
Andrew Niemi	16.60	199.20	
Edmund Durante	20.00	240.00	
Axel Erickson	20.00	240.00	
Edward Van Langenhoven	20.00	240.00	
Nick Detoma	18.00	18.00	Died Jan. 29, 1939
Donato Valenzic	20.00	240.00	
William Anderson	20.00	240.00	
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		\$ 7106.80	

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	240.00	
Evan Kinnish	20.00	<u>120.00</u>	Died June 18, 1939
Total		\$ 1043.88	

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23. o. INCAPACITATED EMPLOYEES (Continued)

DONATIONS TO WIDOWS

	Monthly Rate for Year 1939	<u>Total Amount Paid during 1939</u>	
Mrs. Mathilda Carlson	\$ 12.00	\$ 36.00	Ended March 31, 1939
Mrs. J. H. Tregoning	25.00	300.00	
Mrs. Anna C. Nordeen	25.00	300.00	
Mrs. Fiina Kampinen	25.00	<u>275.00</u>	Began Feb. 1, 1939
		\$ 911.00	

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	
Patsy DePetro	20.00	240.00	Died Dec. 8, 1939
Mrs. George Cameron	20.00	240.00	
Jacob Hill	20.00	240.00	
Julius Olson	25.00	<u>300.00</u>	
		\$1320.00	

Amount of Donations paid to Incapacitated Employees	\$ 7106.80
Amount of Donations paid to Incapacitated Holmes Mine Employees	1043.88
Amount of Donations paid to Widows	911.00
Amount of Donations paid to Furnace Department cases	<u>1320.00</u>
Total Donations	\$10381.68

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23. o. INCAPACITATED EMPLOYEES (Continued)

Retirement Roll

On March 16, 1939 a new roll was established, which is referred to as the Retirement Roll. These cases were all discussed with Mr. Elliott, particularly because most of the men on the roll had long periods of service and all of them had some type of physical deficiency. It was felt that they should be retired and the amount allowed each individual was based primarily on the number of years of service which the individual had. This type of consideration for deserving employees means a great deal to them and incidentally, is in keeping with the long established policy of the Cleveland-Cliffs Iron Company regarding old and faithful employees.

Following is the list of the men placed on the roll as of March 16, 1939:

RETIREMENT PAYROLL

	Monthly Rate for 1939	Total Amount Paid during 1939	
John Mattson	\$ 30.00	\$ 285.00	
Mrs. Anna Simo	40.00	380.00	
John Chiri	21.00	199.50	
James Christian	29.00	275.50	
Gust Dahlstrom	19.00	28.50	Died 4/24/39
Sylvio DeGabriele	22.00	209.00	
Matt Hemmila	17.00	161.50	
Esten Peterson	23.50	223.25	
William J. Phillips	39.50	375.25	
Alfred Anderson	17.00	161.50	
Emil Dahl	20.00	190.00	
Victor Kalmi	25.00	237.50	
Swen Lahti	23.50	223.25	
Anthony Mengori8	22.50	213.75	
August Reiklot	23.50	223.25	
David Reed	20.00	190.00	
Sam Roberts, Sr.	23.00	218.50	
Sam Sims	29.00	275.50	
Charles Abramson	36.50	346.75	
Thomas Berryman	25.00	237.50	
Victor Carlson	29.00	275.50	
William J. Curtis	25.50	242.25	
John Hendrickson	25.00	237.50	
Arvid Jernquist	35.00	332.50	
Jonas Johnson	25.00	228.00	
Andrew Larson	27.00	256.50	
Charles Larson	22.00	209.00	

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23. o. INCAPACITATED EMPLOYEES (Continued)

Retirement Roll (Continued)

RETIREMENT ROLL (Continued)

	<u>Monthly Rate</u> <u>for 1939</u>	<u>Total Amount Paid</u> <u>during 1939</u>	
Albin Lyman	37.50	356.25	
John H. Maki	29.00	275.50	
Lars Olson	26.20	248.90	
Isaac Risku	35.00	70.00	Died 5/10/39
Hemming Silas	25.00	237.50	
Peter Solberg	35.00	87.50	Died 5/16/39
Dave Spencer	22.00	209.00	
Joseph Villeneuve	21.00	199.50	
Charles Aho	15.00	142.50	
Henry Beale	40.00	380.00	
George Bredeson	40.00	380.00	
John Hennessey	25.00	237.50	
August Olson	22.00	209.00	
Erick Soyrinki	25.00	237.50	
William T. Waters	20.00	190.00	
Fred L. Prudom	40.00	<u>380.00</u>	
Total		\$ 10,276.90	

23.

p. COST OF LIVING

It is estimated that there was very little change in the cost of living in the Ishpeming, Negaunee, and surrounding districts during the year 1939. From time to time we have received reports from the leading grocery stores in the community on the cost of various items of food. The fact that we issue relief orders for groceries to a number of needy persons we feel it advisable to keep a check on the price of commodities. This is a desirable practice since the local merchants realize then that we are making some check on our relief orders and that we have an interest in the prices which are charged. In most cases, however, we have given the recipient of the relief order the privilege of purchasing what he thinks is most necessary for his maintenance. We have, however, contacted all the grocery men in cases where blank orders for groceries are written, stating that we expected only essentials and staple groceries should be purchased by recipients of our relief orders.

In talking with the merchants from time to time it is encouraging to note that their attitude towards the Company's relief order is commendable. The merchant recognizes that the people are being helped and it is my opinion that there is very little abuse of this system of giving relief orders.

There is some question as to which procedure is most desirable, the giving of orders for groceries or the sending of a check as we do in our Donation Plan. Most people who are in need, and particularly the people who are being helped by our Company, are folks who make the best use of any groceries or donations given to them. In many cases they take advantage of sales and within the last few years, I believe, that many people are getting more for their money because of the opportunity offered by certain stores which have come into the district, such as the A. & P. and the Cash-Way Stores. Many of the older people, however, maintain their relationships with their old grocers, such as K. Rosberg and Company and the Koski Mercantile Company.

Bank Deposits

The usual check was made of the bank deposits in the community and it is gratifying to report that during the year 1939 deposits increased. This is due undoubtedly to the fact that working conditions are better and that more men were employed during 1939. Taking a particular illustration, the deposits in the Miners' First National Bank at Ishpeming increased approximately \$100,000 during the year. The total assets increased \$125,000.

23. p. COST OF LIVING (Continued)

Housing

The housing situation in Negaunee and Ishpeming still remains quite a difficult problem. Many of the Gwinn men who are working in the Negaunee and Ishpeming District still live in their homes at Gwinn. Almost every week there are requests for Company houses from our employees and, of course, there are none available.

During the year the building program in the City of Ishpeming, particularly, has gone on at a very good rate. It is estimated that over twenty new houses were built in Ishpeming during 1939, but we have no record of more than five or six in the City of Negaunee.

During the year rents have not decreased. For the most part, it seems that since houses are at a premium rents have increased a little. It should be stated, however, that while rents may be increased a little, the renting schedule in the cities of Ishpeming and Negaunee is a reasonable one, taking into consideration the various conditions. In the surrounding areas, such as at Gwinn and North Lake, the rents are cheaper since most of the homes are owned by the Company and occupied by Company employees.

Relief Situation

The general picture as far as the relief problem in Marquette County is concerned must be described in 1939 as better than it was in 1938. The number of relief cases during the year has been reduced and the W.P.A. rolls have remained about the same. The new Michigan Welfare Law, which took effect July 1, 1939, has placed a greater burden of responsibility for the administration of relief on the local communities. Marquette County has a superior type of relief administration and the last reports during the latter part of the year indicate that relief costs were being cut quite considerably.

Last year my annual report mentioned a peculiar psychology among people since they no longer seem to have any pride with relation to the accepting of anything from an established governmental agency, particularly the relief agencies. There seems to be an improvement in this situation. At any rate, fewer people are demanding consideration and the State administration, as well as the county administrations, are making every effort to reduce not only the administration of relief, but the actual giving of direct relief.

As far as our own employees are concerned I am happy to report that they seem to be doing very well. The present wage scales and the opportunity to work five days a week certainly give a great many heads

23. p. COST OF LIVING (Continued)

Relief Situation (Continued)

of families an excellent opportunity to make a good living and evidences of this are seen throughout the district, particularly in the schools and in the homes I have been able to visit. School children, for the most part, are very well clothed and well nourished. A trip to any one of our mines during the time that the men are working would lead an outsider to believe that conditions are considerably above the average since many of our men drive good automobiles. As long as a five-day week can be had and present wage levels remain what they are, the living conditions in this part of Michigan are, I believe, above the average for regions where mining is the chief occupation.

q. IMPROVEMENT WORK

Mr. Payen has charge of the improvement work around all the grounds and property. During the year considerable work was done around the general offices and the usual amount of work was done around the mines and other buildings owned by the Company.

Following the fire in the main office the buildings were repaired and painted. The grounds have been placed in good condition and the whole situation presents a very pleasing appearance.

23.

r. WELL-KEPT PREMISES

During the year 1939 no prizes were offered for well-kept premises.

Throughout the entire year regular trips are made to the various mines and observations are made in the various locations. It is interesting to note that there are a number of very fine gardens, both vegetable and flower gardens, in the cities and in the locations surrounding the cities. As usual, the properties surrounding the mines are landscaped and very well kept.

It is a pleasure to announce that the prizes for well-kept premises will be given again in 1940. Mr. Mather has requested that this be done and the forms are now in the printer's hands.

The public buildings in the communities in all cases are surrounded by well-kept premises. Moreover, the public buildings, particularly the schools, are very well kept and are always in good condition.

s. COMMUNITY SERVICE WORK

The American Legion building in Ishpeming, formerly the old hospital, continues to serve as the meeting place, not only for the American Legion and the Auxiliary but for various other organizations. A great many of the activities, such as the Women's Service Club and other organizations, including social groups, have their meetings in the American Legion Club building.

The Y.M.C.A. building has not been used at all during the past year. The building is in a very bad state of repair and the only attention given the building during the past year was the boarding up of the windows on the lower floor. The building is now the property of the city and the effort which was made to raise funds to make a community building out of the old Y.M.C.A. building has not succeeded. The building at the present time is idle and somewhat of an eye-sore because of the fact that the windows are all boarded up on the lower floor. At the present time there seems to be no program or any plan for the use of the old Y.M.C.A. building. There seems to be no reason why the building could not be re-opened and a portion of it used for the city offices since the city building is quite crowded. The possibility of providing flats could be considered since homes and living quarters in Ishpeming are not plentiful.

The American Legion Club in Negaunee continues to function for the use of the American Legion and the Auxiliary and other groups meet there occasionally. The Negaunee American Legion Club does not have as much use as the Ishpeming Club due to the fact that the Negaunee Community

23.

s. COMMUNITY SERVICE WORK (Continued)

Building, which is under the direction of the city administration, is located in the down-town district and caters to various civic groups and other groups engaging in all types of activities. This building is an old store building but has been remodeled somewhat to take care of different groups. There is no particular program of activities and no special effort is made to make the Negaunee Community Center a real center of activity.

t. CLUBS

There has been one meeting of the larger group of superintendents, captains, and other department executives during the year. This meeting is primarily for the purpose of discussing matters relating to safety and general welfare.

The Saturday Noon Luncheon group of superintendents and heads of departments meets at the call of the Manager, Mr. Elliott, and several meetings were held during the course of the year, although the former practice of meeting regularly on Saturday during the winter months has been abandoned.

u. OUT-DOOR SPORTS

The winter sports program which has been popular for a great many years has been promoted with considerable vigor during the past year. The ski tournament was held again on Washington's Birthday for the 51st time. This is the biggest sport event in the Upper Peninsula and attendance was estimated at approximately 10,000. The new Out-door Sports Committee, established near the Marquette County Road Commission in Ishpeming, has enlarged its program and the response to the leadership provided by this club has been excellent. Numerous events are held every week-end and a great many people from out of the city, as well as out of the State, come to Ishpeming to enjoy the ski hills and trails. This type of winter sport is very popular in this area.

Skating rinks are established in various places in both Ishpeming and Negaunee and they are very popular. Each city selects a winter queen and at the end of the winter sports season an Upper Peninsula winter queen is selected from the group of young ladies who represent the larger cities in the Peninsula.

A few years ago arrangements were made with the Northwestern Railroad for cheaper transportation rates for folks who are interested in winter sports, particularly from Chicago. This practice has continued and many people avail themselves of the opportunity to enjoy a week-end in a real winter sports area.

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23.

u. OUT-DOOR SPORTS (Continued)The Mather Inn

The Mather Inn continues to be the most popular hotel in the area. A recent meeting of the stockholders indicates an increase in business in 1939 over 1938. The winter sports program helps considerably to increase the business of the Inn during the dull months, or the winter season.

w. VARIOUS DEPARTMENTS AND ACTIVITIES

Throughout the year from time to time we are called upon to assist in various activities which are of public or civic nature. These include 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 Bay Cliff Health Camp, and various other activities which are in the line of welfare and social work.

Michigan Social Welfare Commission

Since July 1 it has been my privilege to serve as the Chairman of the Michigan Social Welfare Commission, made up of five members. This Commission has charge of all the welfare and relief work in the State, including general welfare and direct relief, old age assistance, aid to dependent children, aid to the blind, and the child welfare services. The Commission has the task of providing the organization and administration of all these various welfare matters and has the control of allocation of a total budget amounting to about thirty-eight million dollars.

During the first six months of the administration of the present Michigan Social Welfare Commission the expenditures for general relief were four and a half million dollars less than they were for the same period in the previous year. There are three reasons for this situation. Firstly, the legislature cut the appropriation for general relief from sixteen million to eight and three-quarter million dollars. Secondly, the Commission has reduced the allocations very considerably to the counties, and thirdly, the Commission has insisted upon more local participation in the control and administration of welfare and relief.

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23.

w. VARIOUS DEPARTMENTS (Continued)

LAKE SUPERIOR & ISHPEMING RAILROAD COMPANY

COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSE

YEARS 1936 TO 1939, INCLUSIVE.

<u>Donations:</u>	<u>1936</u>	<u>1937</u>	<u>1938</u>	<u>1939</u>
Fire Department	25.00	25.00	15.00	15.00
Visiting Nurse-Marquette	120.00	152.50	250.00	250.00
To Employees & Families	769.25	220.00	505.00	-
Boy & Girl Scouts-Munising	25.00	-	-	-
	<u>939.25</u>	<u>397.50</u>	<u>770.00</u>	<u>265.00</u>
<u>Pensions</u>	<u>3998.40</u>	<u>1666.00</u>	<u>-</u>	<u>12,130.89</u>
Total	4937.65	2063.50	770.00	12,395.89
<u>Compensation</u>				
Compensation Paid	1034.00	616.48	324.00	2,450.00
Medical Expense	541.11	858.80	1045.44	735.35
Percentage of Payrolls				
Acct. Comp. Payments	.0014	.0008	.0005	.0036

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23. w. Various Departments.

LAND DEPARTMENT

COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSES

FOR THE YEARS 1936 to 1939, INCLUSIVE.

<u>General Welfare Acct. No. 11</u>	<u>1936</u>	<u>1937</u>	<u>1938</u>	<u>1939</u>
A-2 Prop. charged by Treas.	500.00	800.00	250.00	300.00
11-F Miscellaneous expenses	240.00	240.00	240.00	240.00
	<u>740.00</u>	<u>1040.00</u>	<u>490.00</u>	<u>540.00</u>
 <u>Donations.</u>				
Negaunee Fire Department	7.50			
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		
	<u>517.50</u>	<u>568.27</u>	<u>500.00</u>	<u>510.00</u>
 <u>Compensation.</u>				
a. Funeral Expense				
d. Legan Expense				
g. Medical Expense				
i. Monthly payments to doctors	100.50	108.50	310.84	399.14
h. Compensation				
 <u>Safety Work - Logging Operations</u>				
Supplies	11.72	28.71	16.61	none
 <u>Compensation - Logging Operations</u>				
Medical and Hospital	6206.50	5272.49	3076.85	324.84
Compensation Payments	8914.40	7724.49	6986.43	2547.07
Percentage of payroll	.0446	.0282	.04	4.1%

