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HEALTH DIVISION

REPORT FOR THE MONTH ENDING JUNE 30, 1949

J. S. FELTON, M. D.

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HEALTH DIVISION

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DATE ISSUED

OCT 5 1949

O A K R I D G E N A T I O N A L L A B O R A T O R Y

Operated by

Carbide and Carbon Chemicals Corporation

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DISTRIBUTION OF EFFORT FOR THE MONTH OF JUNE 1949

	<u>Monthly</u>	<u>Weekly</u>	<u>Hourly</u>
<u>Personnel</u>			
Physicians	3	0	0
Industrial Hygiene Engineer	1	0	0
Artist-Illustrator	1	0	0
Nurses	1	5	0
Medical Technicians	0	2	0
Office Personnel	1	8	0
Custodial Personnel	0	0	2
	<u>7</u>	<u>15</u>	<u>2</u>

Number of technical personnel added: 0
 Number of technical personnel terminated: 0

ALLOCATION OF TIME

<u>Physicians</u>			
Administration	1/3	0	0
Physical Examination	1 2/3	0	0
Dispensary Service	1	0	0
<u>Artist-Illustrator</u>	1	0	0
<u>Industrial Hygiene Engineer</u>	1	0	0
<u>Nurses</u>			
Supervision	1/2	0	0
Dispensary shift nursing	1/2	5	0
<u>Medical Technicians</u>			
General Laboratory	0	1	0
Blood Studies	0	1/2	0
Urinalysis	0	1/2	0
<u>Office Personnel</u>	1	8	0
<u>Custodial Personnel</u>	0	0	2
	<u>7</u>	<u>15</u>	<u>2</u>

PROCEDURES ACCOMPLISHED FOR THE MONTH OF JUNE 1949

	<u>No. of Procedures</u>
Non-occupational injury	165
" " , revisit	114
Non-occupational illness	697
" " , revisit	411
Occupational injury or exposure, chemical	14
" " " " , " , revisit	24
Occupational injury or exposure, chemical, a.o.q.*	0
" " " " , " , " , revisit	0
Occupational injury or exposure, n.o.c.**	134
" " " " , " , revisit	309
Occupational injury, n.o.c.**, a.o.q.*	0
" " , " , " , revisit	0
Occupational injury or exposure, radiation	0
" " " " , " , revisit	0
Occupational injury or exposure, radiation, a.o.q.*	0
" " " " , " , a.o.q.*, revisit	0
Occupational illness, n.o.c.**	1
" " , " , revisit	1
Absence due to illness or injury, non-occupational	181
Absence due to illness or injury, occupational	2
Physical examination, industrial hygiene	54
Physical examination, pre-placement	20
Physical examination, rehire	9
Physical examination, periodic health	5
Physical examination, job transfer	2
Physical examination, termination	14
Physical examination, food handler	0
Physical examination, other	47
Audiogram	73
Blood donation	8
Clinical laboratory procedure [†]	273
Electrocardiogram	18
Field clinical laboratory procedure	0

* a.o.q. - alleged or questionable

** n.o.c. - not otherwise classified

† see next page

		<u>No. of Procedures</u>
Occupational vision section procedure:		
Spectacles issued, plano	85	
Spectacles ordered, prescription	35	
Spectacles issued, prescription	49	
Orthorater examination	42	
Orthorater examination, field	0	
Partial replacement	16	
Adjustment or repair	39	
Advisory service	11	
Total		277
X-ray examination:		
X-ray examination, non-occupational condition	55	
X-ray examination, occupational condition	136	
Total		191
Special study interview		41
Psychodiagnostic test		12
Consultation, non-occupational condition		127
Consultation, occupational condition		3
Consultation, without patient, non-occupational		6
Consultation, without patient, occupational		3
Home visit		0
Pre-marital serodiagnostic test		3
Immunization		207
Diagnostic procedure for an outside physician		25
GRAND TOTAL		3499

† The figure on page 28 represents the number of clinical laboratory visits. More than one laboratory procedure may be performed in one visit. The following is a breakdown of the procedures performed:

Agglutination	4
Bacteriological smear	3
Basal metabolism	6
Bleeding time	1
Blood cholesterol	1
Blood glucose	17
Clotting time	1
Complete blood count	124
Feces-bacteriological	2
Finger ridge impression	3
Gastric analysis	3
Kahn	85
Kahn, titer	1
Red blood count and hemaglobin	10
Rh factor	54
Sedimentation rate	27
Sputum	3
Typing - blood	54
Urinalysis	183
Vital capacity	6
White blood count and differential	71
Total	659

DISPOSITION FOLLOWING DISPENSARY VISITS

Return to regular work	2850
Return to modified or part-time work	464
Remain off work	103
Granted leave	1
Died in plant	0
New employee, rejected	0
New employee, accepted conditionally	2
New employee, accepted	27
Sent to hospital or physician's office	52
AGGREGATE	3499

PERSONNEL ATTENDING PATIENTS

First Aid Attendant	0
First Aid Attendant and Nurse	0
First Aid Attendant, Nurse and Doctor	3
Nurse	1571
Nurse and Doctor	139
Doctor	854
Doctor and First Aid Attendant	0
Technician	871
Psychologist	61
AGGREGATE	3499

NUMBER OF PROCEDURES BY GENERAL DIAGNOSIS GROUPS

	<u>Number of Procedures</u>	
Illnesses:		
Allergy	93	
Blood abnormality	4	
Cardio-vascular disease	12	
Dental disorder	16	
Dermatitis	89	
Endocrine disorder	16	
Eye and ear disorder	55	
Gastro-intestinal disease	198	
Genito-urinary disease	32	
Hernia	21	
Infections and parasitic disease	138	
Menstrual disease	40	
Nervous and mental state, neurologic disorder	100	
New growth	54	
Orthopedic disorder	109	
Pain and headache	89	
Respiratory disease	216	
Tuberculosis	0	
Miscellaneous	92	
Aggregate		1374
Injuries:		
Injuries	754	
Injuries, potential	0	
Aggregate		754
Operative procedures		26
Total		2154
Special services not involving diagnosis	1345	1345
GRAND TOTAL		3499

ABSENCES AND TIME LOST BY GENERAL DIAGNOSIS GROUPS

	<u>No. of Absences</u>	<u>Days Lost</u>
Illnesses:		
Allergy	5	2
Blood abnormality	0	0
Cardio-vascular disease	1	1
Dental disorder	1	0
Dermatitis	2	5
Endocrine disorder	1	10
Eye and ear disorder	2	1
Gastro-intestinal disease	54	87
Genito-urinary disease	11	47
Hernia	0	0
Infections and parasitic disease	33	111
Menstrual disease	21	29
Nervous and mental state, neurologic disorder	11	29
New growth	3	4
Orthopedic disorder	5	8
Pain and headache	5	7
Respiratory disease	0	0
Tuberculosis	0	0
Miscellaneous	7	17
Injuries:		
Injuries	9	37
Injuries, potential	0	0
Operative procedures	12	73
Total	183	468

NUMBER OF VISITS BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>No. of Visits</u>	<u>No. of Employees</u>	<u>Average</u>
TOTAL	2852	2034	1.4
<u>SEX</u>			
Female	652	399	1.6
Male	2200	1635	1.3
<u>OCCUPATION</u>			
Life scientist	42	50	0.8
Physical scientist	309	270	1.1
Engineer	228	193	1.2
Technical assistant	477	241	2.0
Administrative and managerial personnel	161	136	1.2
Clerical personnel	448	358	1.3
Laborer	105	73	1.4
Maintenance personnel	103	95	1.1
Protective personnel	210	162	1.3
Craftsman	533	328	1.6
Chemical operator	180	68	2.6
Equipment operator	56	60	0.9
<u>RACE</u>			
Colored	138	116	1.2
White	2714	1918	1.4
<u>MARITAL STATUS</u>			
Married	2182	1573	1.4
Single	590	413	1.4
Divorced	41	19	2.2
Widowed	39	29	1.3
<u>HEALTH STATUS</u>			
H-1*	685	526	1.3
H-2**	1813	1259	1.4
H-3***	354	249	1.4

*H-1 Physically qualified for any position.

**H-2 Physically qualified for any position, but has minor defects.

***H-3 Physically qualified for special employment only, with restrictions.

ORNL-380
June 30, 1949

	<u>No. of</u> <u>Visits</u>	<u>No. of</u> <u>Employees</u>	<u>Average</u>
<u>DIVISION</u>			
Operations	137	74	1.9
Physics	99	77	1.3
Chemistry	308	208	1.5
Technical	338	176	1.9
Biology	87	94	0.9
Metallurgy	48	43	1.1
Training Program	46	28	1.6
Graduate Training Program	0	0	
Health Physics	219	115	1.9
Engineering, Maintenance & Construction	935	658	1.4
Personnel and Service	194	183	1.1
Health	22	23	1.0
General Office	124	137	0.9
Security	227	157	1.4
Directors	68	57	1.2
Wage Standards	0	4	0.0
<u>AGE GROUP</u>			
18 to 19 years	15	12	1.3
20 to 29 years	1179	763	1.5
30 to 39 years	1026	750	1.4
40 to 49 years	442	358	1.2
50 to 59 years	149	133	1.1
60 to 65 years	41	18	2.3
<u>SHIFT</u>			
Straight days	2250	1731	1.3
Rotating shifts	566	273	2.1
Straight shift	36	30	1.2
<u>PAYROLL</u>			
Hourly	1162	780	1.5
Weekly	863	536	1.6
Monthly	827	718	1.2

TIME LOST BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>Days Lost</u>	<u>Scheduled Days</u>	<u>Percent Time Lost</u>
TOTAL	461	44748	1.0
<u>SEX</u>			
Female	195	8778	2.2
Male	266	35970	0.7
<u>OCCUPATION</u>			
Life scientist	8	1100	0.7
Physical scientist	33	5940	0.6
Engineer	32	4246	0.8
Technical assistant	68	5302	1.3
Administrative and managerial personnel	49	2992	1.6
Clerical personnel	125	7876	1.6
Laborer	17	1606	1.1
Maintenance personnel	9	2090	0.4
Protective personnel	9	3564	0.3
Craftsman	61	7216	0.8
Chemical operator	1	1496	0.1
Equipment operator	49	1320	3.7
<u>RACE</u>			
Colored	4	2552	0.2
White	457	42196	1.1
<u>MARITAL STATUS</u>			
Married	355	34606	1.0
Single	70	9086	0.8
Divorced	28	418	6.7
Widowed	8	638	1.3
<u>HEALTH STATUS</u>			
H-1*	102	11572	0.8
H-2**	311	27698	1.1
H-3***	48	5478	0.9

*H-1 Physically qualified for any position.

**H-2 Physically qualified for any position, but has minor defects.

***H-3 Physically qualified for special employment only, with restrictions.

	<u>Days Lost</u>	<u>Scheduled Days</u>	<u>Percent Time Lost</u>
<u>DIVISION</u>			
Operations	1	1628	0.1
Physics	11	1694	0.6
Chemistry	54	4576	1.2
Technical	37	3872	1.0
Biology	5	2068	0.2
Metallurgy	26	946	2.7
Training Program	0	616	0.0
Graduate Training Program	0	0	
Health Physics	33	2530	1.3
Engineering, Maintenance & Construction	192	14476	1.3
Personnel and Service	19	4026	0.5
Health	10	506	2.0
General Office	5	3014	0.2
Security	51	3454	1.5
Directors	17	1254	1.4
Wage Standards	0	88	0.0
<u>AGE GROUP</u>			
18 to 19 years	0	264	0.0
20 to 29 years	167	16786	1.0
30 to 39 years	225	16500	1.4
40 to 49 years	46	7876	0.6
50 to 59 years	23	2926	0.8
60 to 65 years	0	396	0.0
<u>SHIFT</u>			
Straight days	410	38082	1.1
Rotating shifts	48	6006	0.8
Straight shift	3	660	0.5
<u>PAYROLL</u>			
Hourly	134	17160	0.8
Weekly	211	11792	1.8
Monthly	116	15796	0.7

EMPLOYEES WITH ONE OR MORE ABSENCES BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>Absentees</u>	<u>No. of Employees</u>	<u>Percent Absentees</u>
TOTAL	163	2034	8.0
<u>SEX</u>			
Female	87	399	21.8
Male	76	1635	4.6
<u>OCCUPATION</u>			
Life scientist	2	50	4.0
Physical scientist	7	270	2.6
Engineer	13	193	6.7
Technical assistant	38	241	15.8
Administrative and managerial personnel	7	136	5.1
Clerical personnel	61	358	17.0
Laborer	4	73	5.5
Maintenance personnel	4	95	4.2
Protective personnel	8	162	4.9
Craftsman	12	328	3.7
Chemical operator	2	68	2.9
Equipment operator	5	60	8.3
<u>RACE</u>			
Colored	5	116	4.3
White	158	1918	8.2
<u>MARITAL STATUS</u>			
Married	107	1573	6.8
Single	47	413	11.4
Divorced	5	19	26.3
Widowed	4	29	13.8
<u>HEALTH STATUS</u>			
H-1*	25	526	4.8
H-2**	117	1259	9.3
H-3***	21	249	8.4

*H-1 Physically qualified for any position.

**H-2 Physically qualified for any position, but has minor defects.

***H-3 Physically qualified for special employment only, with restrictions.

	<u>Absentees</u>	<u>No. of Employees</u>	<u>Percent Absentees</u>
<u>DIVISION</u>			
Operations	2	74	2.7
Physics	7	77	9.1
Chemistry	26	208	12.5
Technical	24	176	13.6
Biology	2	94	2.1
Metallurgy	3	43	7.0
Training Program	0	28	0.0
Graduate Training Program	0	0	
Health Physics	14	115	12.2
Engineering, Maintenance & Construction	38	658	5.8
Personnel and Service	13	183	7.1
Health	2	23	8.7
General Office	8	137	5.8
Security	16	157	10.2
Directors	8	57	14.0
Wage Standards	0	4	0.0
<u>AGE GROUP</u>			
18 to 19 years		12	0.0
20 to 29 years	97	763	12.7
30 to 39 years	49	750	6.5
40 to 49 years	12	358	3.4
50 to 59 years	5	133	3.8
60 to 65 years	0	18	0.0
<u>SHIFT</u>			
Straight days	141	1731	8.2
Rotating shifts	21	273	7.7
Straight shift	1	30	3.3
<u>PAYROLL</u>			
Hourly	32	780	4.1
Weekly	102	536	19.0
Monthly	29	718	4.0

STATISTICAL SUMMARY

Severity rate -- 2.5 days lost per absence	
Disability rate -- 10.3 days lost per 1000 days scheduled	
Frequency rate -- 4.1 absences per 1000 days scheduled.	
Number of procedures	3499
Number of visits	2944
Number of patients	1200
Percent of employees visiting Dispensary	58.9
Number of visits per employee	1.4
Number of illness absences per employee	0.1