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Series A
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HEALTH DIVISION

REPORT FOR THE MONTH

ENDING JUNE 30, 1950

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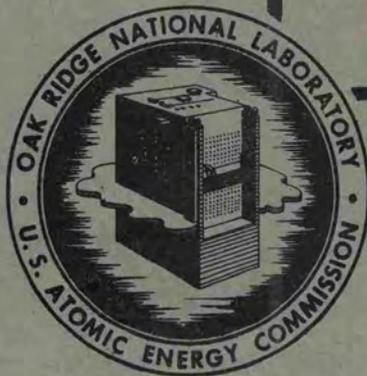
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Series A

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HEALTH DIVISION

REPORT FOR THE MONTH ENDING JUNE 30, 1950

J. S. Felton, M. D.

Date Issued

DEC 13 1950

OAK RIDGE NATIONAL LABORATORY
operated by
CARBIDE AND CARBON CHEMICALS DIVISION
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DISTRIBUTION OF EFFORT FOR THE MONTH OF JUNE 1950

<u>Personnel</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Hourly</u>
Physicians	2	0	0
Industrial Hygiene Engineer	1	0	0
Industrial Designer	1	0	0
Nurses	1	5	0
Medical Technicians	0	3	0
X-ray Technicians	0	1	0
Office Personnel	0	7	0
Custodial Personnel	0	0	3
	<u>5</u>	<u>16</u>	<u>3</u>

Number of technical personnel added: 0

Number of technical personnel terminated: 0

ALLOCATION OF TIME

<u>Physicians</u>			
Administrative	1/3	0	0
Physical Examination	2/3	0	0
Dispensary Service	1	0	0
<u>Industrial Designer</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 1/2	0
Urinalysis	0	1/2	0
<u>X-ray Technician</u>	0	1	0
<u>Office Personnel</u>	0	7	0
<u>Custodial Personnel</u>	0	0	3
	<u>5</u>	<u>16</u>	<u>2</u>

STATISTICAL SUMMARY

Severity Rate	4.0 days lost per illness absence
Disability Rate	12.2 days lost per 1000 days scheduled
Frequency Rate	3.1 illness absences per 1000 days scheduled

Number of Patients

Employee	1295
Non-employee	101
Total	1396

Number of Visits

Employee	3137
Non-employee	
J. A. Jones Const. Co...	42
A. E. C,	14
Austin Co.	8
Other	75
Total	139
Total all visits	3276

Number of Procedures	4294
Number of Employees at the Laboratory	2307
Percent of Employees Visiting Dispensary	56.1
Number of Visits per Employee	1.4
Number of Illness Absences per Employee	0.1

Ratio of Occupational to Non-occupational Procedures	1 : 0.7
Ratio of Non-occupational to Occupational Injuries, first visit	1 : 1.0
Ratio of Non-occupational to Occupational Injuries, all visits	1 : 2.1
Ratio of Occupational to Non-occupational Illnesses, first visit	1 : 611.0
Ratio of Occupational to Non-occupational Illnesses, all visits	1 : 332.0
Ratio of Occupational to Non-occupational Absences	1 : 155.0
Ratio of Occupational to Non-occupational Days Lost	1 : 87.0

PROCEDURES ACCOMPLISHED FOR THE MONTH OF JUNE 1950

	<u>No. of Procedures</u>
Non-occupational injury	139
" " , revisit	134
Non-occupational illness	611
" " , revisit	385
Occupational injury or exposure, chemical	7
" " " , " , revisit	19
Occupational injury or exposure, chemical, a.o.q.*	0
" " " , " , " , revisit	0
Occupational injury or exposure, n.o.c.**	141
" " " , " , revisit	403
Occupational injury or exposure, n.o.c.**, a.o.q.*	1
" " " , " , " , revisit	3
Occupational injury or exposure, radiation	0
" " " , " , revisit	0
Occupational injury or exposure, radiation, a.o.q.*	0
" " " , " , " , revisit	0
Occupational illness, n.o.c.**	1
" " , " , revisit	2
Absence due to illness or injury, non-occupational	155
Absence due to illness or injury, occupational	1
Physical examination, industrial hygiene	21
Physical examination, pre-placement	52
Physical examination, rehire	15
Physical examination, periodic health	10
Physical examination, job transfer	8
Physical examination, food handler	10
Physical examination, other	6
Physical examination, termination	46
Audiogram	142
Blood donation	2
Clinical laboratory procedure †	621
Electrocardiogram	123
Field clinical laboratory procedure	0

*a.o.q. - alleged or questionable

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

† see next page

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No. of
Procedures

Occupational vision section procedures:		
Spectacles issued, plano	75	
Spectacles ordered, prescription	37	
Spectacles issued, prescription	23	
Orthorater examination	102	
Orthorater examination, field	0	
Partial replacement	13	
Adjustment or repair	31	
Advisory service	8	
Total		289
X-ray examination:		
X-ray examination, non-occupational condition	31	
X-ray examination, occupational condition	288	
Total		319
Special study interview		0
Psychodiagnostic test		10
Consultation, non-occupational condition		195
Consultation, occupational condition		7
Consultation, without patient, non-occupational		30
Consultation, without patient, occupational		4
Home visit		0
Pre-marital serodiagnostic test		3
Immunization		358
Diagnostic procedure for an outside physician		21
GRAND TOTAL		4294

* The figure on page 5 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	2
Bacteriological Smear	7
Basal Metabolism	2
Bleeding Time	2
Blood Glucose	16
Blood Icteric Index	1
Blood Prothrombin	1
Clotting Time	2
Complete Blood Count	491
Feces - Bacteriological	15
Feces - Parasitological	15
Hematocrit	2
Kahn	177
Kahn -Titer	3
Malarial Parasites	1
Platelet Count	1
Phenolsulfonphthalein	1
Red Blood Count and Hemaglobin	14
Rh Factor	57
Sedimentation Rate	25
Sputum	1
Typing - Blood	57
Urinalysis	562
Vital Capacity	24
White Blood Count and Differential	38
Miscellaneous	5
Total	1522

DISPOSITION FOLLOWING DISPENSARY VISITS

Return to regular work	3624
Return to modified or part-time work	326
Remain off work	236
Granted leave	0
Died in plant	0
Rejected	12
Accepted conditionally	8
Accepted	47
Sent to hospital or physicians office	39
AGGREGATE	4294

PERSONNEL ATTENDING PATIENTS

First Aid Attendant	1
First Aid Attendant and Nurse	0
First Aid Attendant, Nurse and Doctor	1
Nurse	1950
Nurse and Doctor	179
Doc tor	582
Doc tor and First Aid Attendant	0
Technician	1505
Psychologist	76
AGGREGATE	4294

TIME LOST DUE TO ILLNESS ABSENCE

	<u>No. of Absences</u>	<u>No. of Days Lost</u>
Less than 1 day	18	0
1 day	78	78
2 days	16	32
3 days	9	27
4 days	9	36
5 days	4	20
7 days	2	14
8 days	1	8
9 days	3	27
10 days	1	10
11 days	3	33
14 days	2	28
20 days	1	20
21 days	1	21
22 days	1	22
24 days	2	48
25 days	1	25
32 days	1	32
36 days	1	36
44 days	1	44
57 days	1	57
	<u>156</u>	<u>618</u>

NUMBER OF PROCEDURES BY GENERAL DIAGNOSIS GROUPS

	<u>Number of Procedures</u>	
Illnesses:		
Allergy	63	
Blood abnormality	6	
Cardio-vascular disease	25	
Dental disorder	20	
Dermatitis	65	
Endocrine disorder	35	
Eye and ear disorder	52	
Gastro-intestinal disease	132	
Genito-urinary disease	27	
Hernia	3	
Infections and parasitic disease	120	
Menstrual disease	30	
Nervous and mental state, neurologic disorder	84	
New growth	30	
Orthopedic disorder	139	
Pain and headache	101	
Respiratory disease	281	
Tuberculosis	0	
Miscellaneous	66	
Aggregate		1279
Injuries		
Injuries	828	
Injuries, potential	0	
Aggregate		828
Operative procedure		29
Total		2136
Special services not involving diagnosis		2158
GRAND TOTAL		4294

ABSENCE AND TIME LOST BY GENERAL DIAGNOSIS GROUPS

	<u>No. of Absences</u>	<u>Days Lost</u>
Illnesses:		
Allergy	3	2
Blood abnormality	0	0
Cardio-vascular disease	3	4
Dental disorder	4	3
Dermatitis	1	0
Endocrine disorder	0	0
Eye and ear disorder	0	0
Gastro-intestinal disease	42	97
Genito-urinary disease	6	26
Hernia	1	21
Infections and parasitic disease	4	12
Menstrual disease	16	16
Nervous and mental state, neurologic disorder	0	0
New growth	0	0
Orthopedic disorder	6	14
Pain and headache	8	10
Respiratory disease	34	141
Tuberculosis	0	0
Miscellaneous	4	3
Injuries:		
Injuries, non-occupational	13	130
Injuries, occupational	0	0
Operative procedures	11	139
Total	156	618

NUMBER OF VISITS BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>No. of Visits</u>	<u>No. of Employees</u>	<u>Average</u>
TOTAL	3137	2307	1.4
<u>SEX</u>			
Female	604	406	1.5
Male	2533	1901	1.3
<u>OCCUPATION</u>			
Life scientist	36	51	0.7
Physical scientist	656	363	1.8
Engineer	263	212	1.2
Technical assistant	294	209	1.4
Administrative and managerial personnel	125	150	0.8
Clerical personnel	386	346	1.1
Laborer	195	119	1.6
Maintenance personnel	147	103	1.4
Protective personnel	128	154	0.8
Craftsman	712	472	1.5
Chemical operator	106	58	1.8
Equipment operator	89	70	1.3
<u>RACE</u>			
Colored	225	149	1.5
White	2912	2158	1.3
<u>MARITAL STATUS</u>			
Married	2428	1856	1.3
Single	617	400	1.5
Divorced	50	26	1.9
Widowed	42	25	1.7
<u>HEALTH STATUS*</u>			
H-1	609	544	1.1
H-2	2107	1529	1.4
H-3	421	234	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.

	<u>No. of</u> <u>Visits</u>	<u>No. of</u> <u>Employees</u>	<u>Average</u>
<u>DIVISION</u>			
Operations	116	81	1.4
Physics	96	77	1.2
Chemistry	428	212	2.0
Reactor Technology	161	122	1.3
Biology	117	106	1.1
Metallurgy	68	61	1.1
Training Program	95	14	6.8
Graduate Training Program	0	0	
Health Physics	175	114	1.5
Engineering and Maintenance	1212	860	1.4
Industrial Relations	206	185	1.1
Health	21	23	0.9
General Office	117	139	0.8
Security	130	150	0.9
Directors	57	57	1.0
Wage Standards	0	3	0.0
Mathematics Panel	22	16	1.4
Chemical Technology	116	87	1.3
<u>AGE GROUP</u>			
18 to 19 years	8	4	2.0
20 to 29 years	1152	788	1.5
30 to 39 years	1263	906	1.4
40 to 49 years	496	427	1.2
50 to 59 years	189	162	1.2
60 to 65 years	29	20	1.5
<u>SHIFT</u>			
Straight days	2731	2008	1.4
Rotating shifts	363	270	1.3
Straight shift	43	29	1.5
<u>PAYROLL</u>			
Hourly	1322	961	1.4
Weekly	826	579	1.4
Monthly	989	767	1.3

TIME LOST BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>Days Lost</u>	<u>Scheduled Days</u>	<u>Percent Time Lost</u>
TOTAL	609*	50754	1.2
<u>SEX</u>			
Female	223	8932	2.5
Male	386	41822	0.9
<u>OCCUPATION</u>			
Life scientist	1	1122	0.1
Physical scientist	70	7986	0.9
Engineer	65	4664	1.4
Technical assistant	25	4598	0.5
Administrative and managerial personnel	35	3300	1.1
Clerical personnel	222	7612	2.9
Laborer	21	2618	0.8
Maintenance personnel	1	2266	0.0
Protective personnel	33	3388	1.0
Craftsman	114	10384	1.1
Chemical operator	0	1276	0.0
Equipment operator	22	1540	1.4
<u>RACE</u>			
Colored	18	3278	0.5
White	591	47476	1.2
<u>MARITAL STATUS</u>			
Married	461	40832	1.1
Single	93	8800	1.1
Divorced	22	572	6.0
Widowed	33	550	3.8
<u>HEALTH STATUS**</u>			
H-1	70	11968	0.6
H-2	466	33638	1.4
H-3	73	5148	1.4

* Nine days could not be classified due to insufficient personal data.

**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	4	1782	0.2
Physics	10	1694	0.6
Chemistry	79	4664	1.7
Reactor Technology	5	2684	0.2
Biology	0	2332	0.0
Metallurgy	14	1342	1.0
Training Program	0	308	0.0
Graduate Training Program	0	0	
Health Physics	31	2508	1.2
Engineering and Maintenance	277	18920	1.5
Industrial Relations	23	4070	0.6
Health	1	506	0.2
General Offices	66	3058	2.2
Security	77	3300	2.3
Directors	12	1254	1.0
Wage Standards	0	66	0.0
Mathematics Panel	0	352	0.0
Chemical Technology	10	1914	0.5
<u>AGE GROUP</u>			
18 to 19 years	0	4	0.0
20 to 29 years	163	17336	0.9
30 to 39 years	210	19932	1.1
40 to 49 years	174	9394	1.9
50 to 59 years	61	3564	1.7
60 to 65 years	1	440	0.2
<u>SHIFT</u>			
Straight days	572	44176	1.3
Rotating shifts	36	5940	0.6
Straight shift	1	638	0.2
<u>PAYROLL</u>			
Hourly	196	21142	0.9
Weekly	274	12738	2.2
Monthly	139	16874	0.8

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

	<u>Absentees</u>	<u>No. of Employees</u>	<u>Percent Absentees</u>
<u>TOTAL</u>	138	2307	6.0
<u>SEX</u>			
Female	70	406	3.6
Male	68	1901	17.2
<u>OCCUPATION</u>			
Life scientist	1	51	2.0
Physical scientist	23	363	6.3
Engineer	5	212	2.4
Technical assistant	11	209	5.3
Administrative and managerial personnel	3	150	2.0
Clerical personnel	57	346	16.5
Laborer	7	119	5.9
Maintenance personnel	3	103	2.9
Protective personnel	8	154	5.2
Craftsman	18	472	3.8
Chemical operator	1	58	1.7
Equipment operator	1	70	1.4
<u>RACE</u>			
Colored	5	149	3.4
White	133	2158	6.2
<u>MARITAL STATUS</u>			
Married	89	1856	4.8
Single	38	400	9.5
Divorced	9	26	34.6
Widowed	2	25	8.0
<u>HEALTH STATUS*</u>			
H-1	12	544	2.2
H-2	102	1529	6.7
H-3	24	234	10.3

*H-1 Physically qualified for any position.

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

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	<u>Absentees</u>	<u>No. of Employees</u>	<u>Percent Absentees</u>
<u>DIVISION</u>			
Operations	4	81	4.9
Physics	4	77	5.2
Chemistry	24	212	11.3
Reactor Technology	6	122	4.9
Biology	1	106	0.9
Metallurgy	6	61	8.2
Training Program	0	14	0.0
Graduate Training Program	0	0	
Health Physics	10	114	8.8
Engineering and Maintenance	40	860	4.7
Industrial Relations	8	185	4.3
Health	1	23	4.3
General Office	10	139	7.2
Security	14	150	9.3
Director	7	57	12.3
Wage Standards	0	3	0.0
Mathematics Panel	0	16	0.0
Chemical Technology	4	87	4.6
<u>AGE GROUP</u>			
18 to 19 years	0	4	0.0
20 to 29 years	69	788	8.8
30 to 39 years	39	906	4.3
40 to 49 years	19	427	4.4
50 to 59 years	10	162	6.2
60 to 65 years	1	20	5.0
<u>SHIFT</u>			
Straight days	124	2008	6.2
Rotating shifts	13	270	4.8
Straight shift	1	29	3.4
<u>PAYROLL</u>			
Hourly	35	961	3.6
Weekly	84	579	14.5
Monthly	19	767	2.5

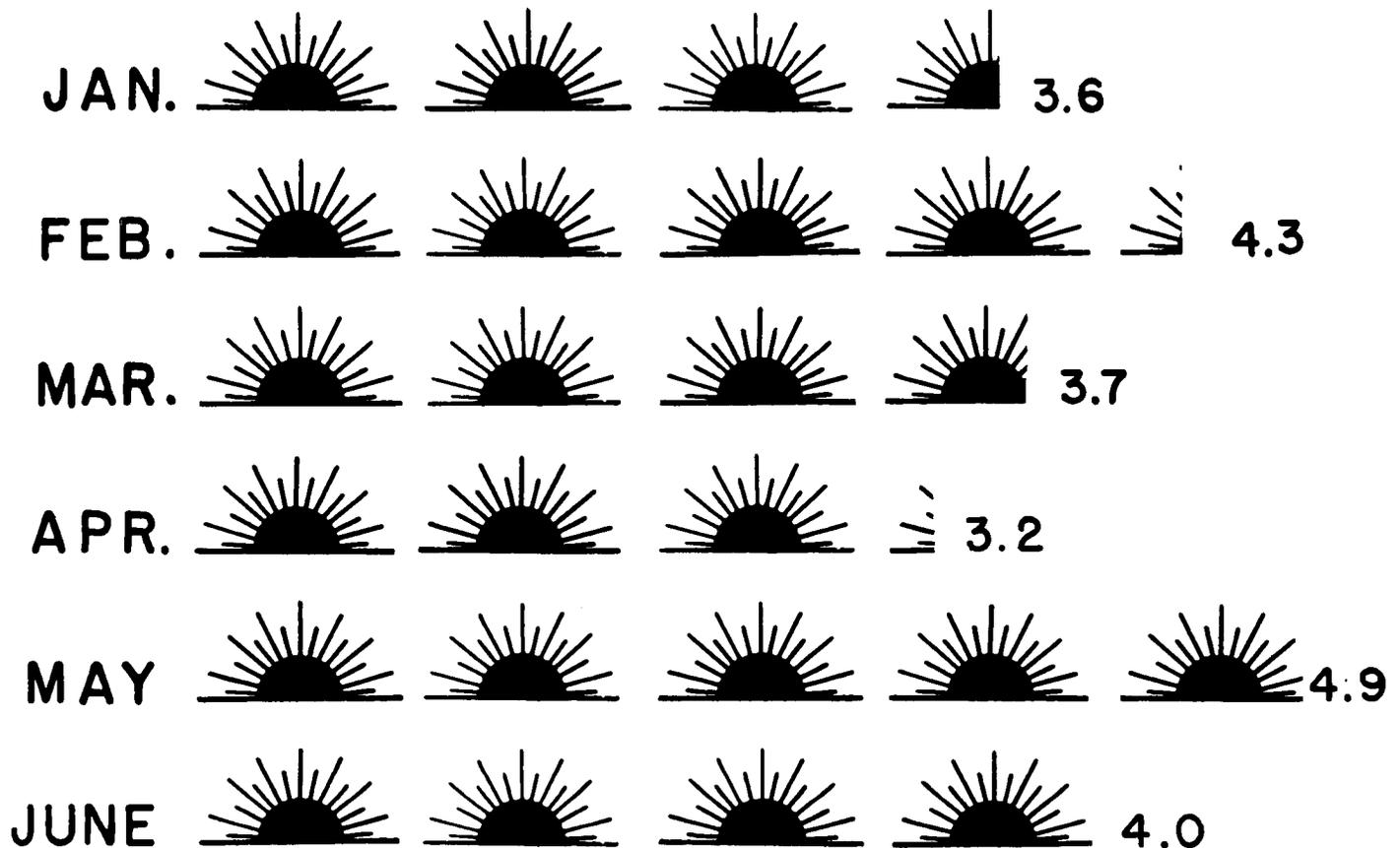
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SEVERITY RATE

Days Lost Per Absence

EACH SYMBOL REPRESENTS 1 DAY



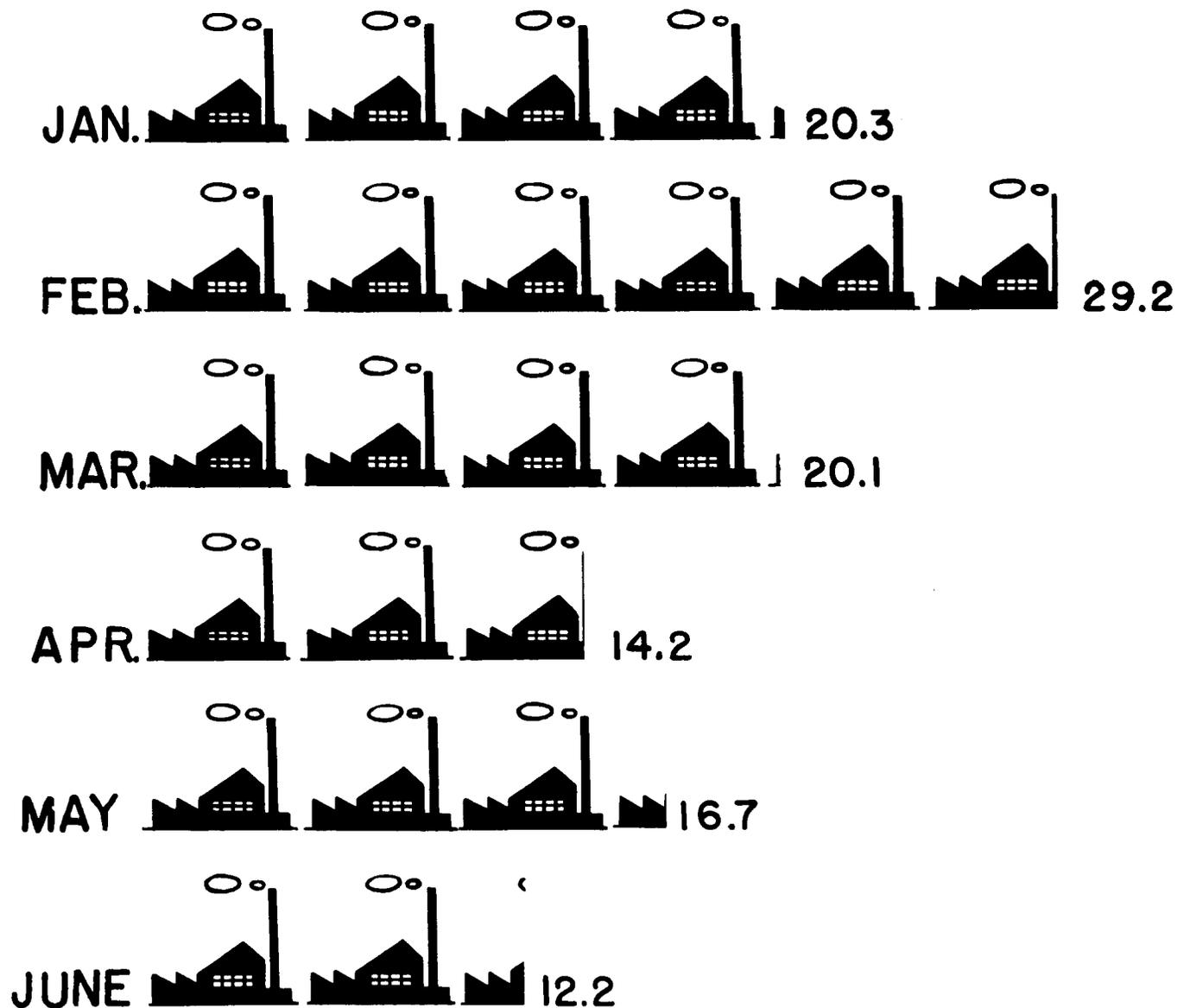
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DISABILITY RATE

Days Lost Per 1,000 Days Scheduled

EACH SYMBOL REPRESENTS 5%



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FREQUENCY RATE

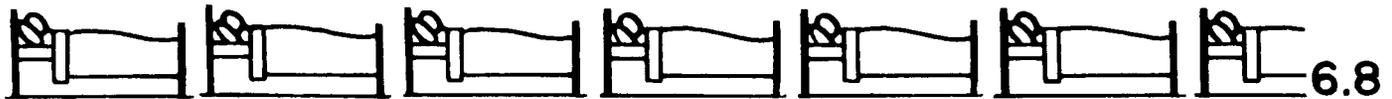
Illness Absences Per 1,000 Days Scheduled

EACH SYMBOL REPRESENTS 1 DAY

JAN.



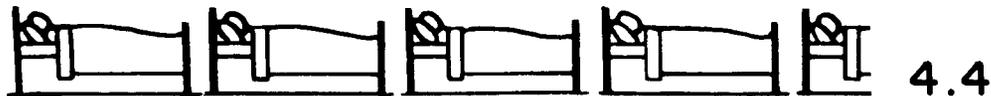
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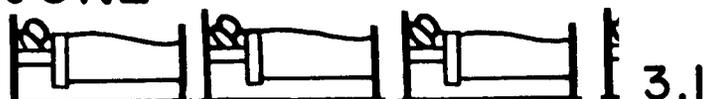
APR.



MAY



JUNE



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PERCENT OF EMPLOYEES VISITING DISPENSARY

EACH SYMBOL REPRESENTS 10 %

