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HEALTH DIVISION

REPORT FOR THE MONTH ENDING

AUGUST 31, 1949

OAK RIDGE NATIONAL LABORATORY

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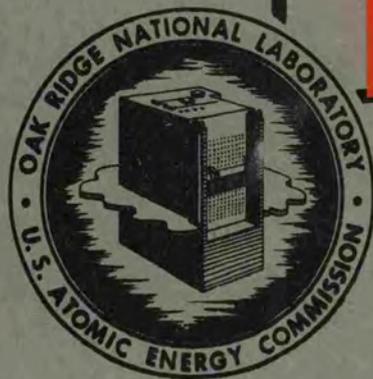
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OPERATED BY  
CARBIDE AND CARBON CHEMICALS DIVISION  
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HEALTH DIVISION

REPORT FOR THE MONTH ENDING AUGUST 31, 1949

J. S. Felton, M. D.

DATE ISSUED

JAN 9 1950

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 DIVISION

Union Carbide and Carbon Corporation

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DISTRIBUTION OF EFFORT FOR THE MONTH OF AUGUST 1949

	<u>Monthly</u>	<u>Weekly</u>	<u>Hourly</u>
<u>Personnel</u>			
Physicians	3	0	0
Industrial Hygiene Engineer	1	0	0
Industrial Designer	1	0	0
Nurses	1	5	0
Medical Technicians	0	3	0
Office Personnel	1	6	0
Optical Dispenser	0	1	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>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	1/2	0
Urinalysis	0	1/2	0
X-ray	0	1	0
<u>Office Personnel</u>	1	6	0
<u>Optical Dispenser</u>	0	1	0
<u>Custodial Personnel</u>	0	0	2
	<u>7</u>	<u>15</u>	<u>2</u>

PROCEDURES ACCOMPLISHED FOR THE MONTH OF AUGUST 1949

	<u>No. of Procedures</u>
Non-occupational injury	147
"    "    , revisit	156
Non-occupational illness	698
"    "    , revisit	370
Occupational injury or exposure, chemical	10
"    "    "    "    ,    "    , revisit	23
Occupational injury or exposure, chemical, a.o.q.*	0
"    "    "    "    ,    "    ,    "    , revisit	0
Occupational injury or exposure, n.o.c.**	114
"    "    "    "    ,    "    , revisit	209
Occupational injury, n.o.c.**, a.o.q.*	0
"    "    ,    "    ,    "    , revisit	3
Occupational injury or exposure, radiation	0
"    "    "    "    ,    "    , revisit	0
Occupational injury or exposure, radiation, a.o.q.*	1
"    "    "    "    ,    "    ,    "    , revisit	0
Occupational illness, n.o.c.**	0
"    "    ,    "    , revisit	0
Absence due to illness or injury, non-occupational	187
Absence due to illness or injury, occupational	0
Physical examination, industrial hygiene	106
Physical examination, pre-placement	24
Physical examination, rehire	2
Physical examination, periodic health	9
Physical examination, job transfer	2
Physical examination, termination	17
Physical examination, food handler	0
Physical examination, other	18
Audiogram	55
Blood donation	2
Clinical laboratory procedure <sup>‡</sup>	369
Electrocardiogram	27
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 procedures:		
Spectacles issued, plano	26	
Spectacles ordered, prescription	11	
Spectacles issued, prescription	26	
Orthorater examination	54	
Orthorater examination, field	0	
Partial replacement	23	
Adjustment or repair	34	
Advisory service	11	
Total		185
X-ray examination:		
X-ray examination, non-occupational condition	55	
X-ray examination, occupational condition	121	
Total		176
Special study interview		29
Psychodiagnostic test		9
Consultation, non-occupational condition		193
Consultation, occupational condition		6
Consultation, without patient, non-occupational		25
Consultation, without patient, occupational		6
Home visit		0
Pre-marital serodiagnostic test		9
Immunization		198
Diagnostic procedure for an outside physician		6
GRAND TOTAL		3391

+ The figure on page 4 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	8
Basal Metabolism	3
Bleeding Time	1
Blood Cholesterol	2
Blood Glucose	4
Blood N.P.N.	1
Clotting Time	1
Complete Blood Count	227
Feces - Parasitological	8
Hematocrit	1
Kahn	49
P.S.P.	2
Red Blood Count and Hemaglobin	21
Rh Factor	29
Sedimentation Rate	18
Sperm Count	1
Sputum	0
Typing - Blood	29
Urinalysis	294
Vital Capacity	64
White Blood Count and Differential	41
Total	797

DISPOSITION FOLLOWING DISPENSARY VISITS

Return to regular work	2725
Return to modified or part-time work	412
Remain off work	173
Granted leave	0
Died in plant	0
New employee, rejected	0
New employee, accepted conditionally	0
New employee, accepted	26
Sent to hospital or physician's office	55
 AGGREGATE	 3391

PERSONNEL ATTENDING PATIENTS

First Aid Attendant	0
First Aid Attendant and Nurse	0
First Aid Attendant, Nurse and Doctor	1
Nurse	1513
Nurse and Doctor	162
Doctor	755
Doctor and First Aid Attendant	0
Technician	917
Psychologist	43
 AGGREGATE	 3391

TIME LOST DUE TO ILLNESS ABSENCE

	<u>No. of Absences</u>	<u>No. of Days Lost</u>
Less than 1 day	12	0
1 day	100	100
2 days	19	38
3 days	15	45
4 days	1	4
5 days	8	40
6 days	6	36
7 days	6	42
9 days	2	18
10 days	3	30
11 days	1	11
12 days	3	36
14 days	1	14
15 days	1	15
18 days	1	18
21 days	1	21
24 days	1	24
25 days	2	50
27 days	1	27
31 days	1	31
33 days	1	33
43 days	1	43
AGGREGATE	187	676

NUMBER OF PROCEDURES BY GENERAL DIAGNOSIS GROUPS

	<u>Number of Procedures</u>
Illnesses:	
Allergy	82
Blood abnormality	9
Cardio-vascular disease	13
Dental disorder	14
Dermatitis	106
Endocrine disorder	20
Eye and ear disorder	29
Gastro-intestinal disease	118
Genito-urinary disease	27
Hernia	15
Infections and parasitic disease	136
Menstrual disease	37
Nervous and mental state, neurologic disorder	102
New growth	50
Orthopedic disorder	97
Pain and headache	66
Respiratory disease	349
Tuberculosis	2
Miscellaneous	93
Aggregate	1365
Injuries:	
Injuries	643
Injuries, potential	2
Aggregate	645
Operative procedure	14
Total	2024
Special services not involving diagnosis	1367
GRAND TOTAL	3391

ABSENCES AND TIME LOST BY GENERAL DIAGNOSIS GROUPS

	<u>No. of Absences</u>	<u>Days Lost</u>
Illnesses:		
Allergy	6	8
Blood abnormality	0	0
Cardio-vascular disease	2	15
Dental disorder	4	4
Dermatitis	0	0
Endocrine disorder	0	0
Eye and ear disorder	0	0
Gastro-intestinal disease	37	154
Genito-urinary disease	7	25
Hernia	1	1
Infections and parasitic disease	5	18
Menstrual disease	22	32
Nervous and mental state, neurologic disorder	9	37
New growth	3	29
Orthopedic disorder	5	29
Pain and headache	10	14
Respiratory disease	50	121
Tuberculosis	0	0
Miscellaneous	6	29
Injuries:		
Injuries, non-occupational	10	81
Injuries, occupational	0	0
Operative procedures	10	79
Total	187	676

NUMBER OF VISITS BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>No. of Visits</u>	<u>No. of Employees</u>	<u>Average</u>
TOTAL	2704	2041	1.3
<u>SEX</u>			
Female	539	393	1.4
Male	2165	1648	1.3
<u>OCCUPATION</u>			
Life scientist	31	52	0.6
Physical scientist	318	283	1.1
Engineer	215	187	1.1
Technical assistant	368	248	1.5
Administrative and managerial personnel	211	137	1.5
Clerical personnel	390	349	1.1
Laborer	69	71	1.0
Maintenance personnel	106	94	1.1
Protective personnel	202	158	1.3
Craftsman	598	333	1.8
Chemical operator	133	68	2.0
Equipment operator	63	61	1.0
<u>RACE</u>			
Colored	141	116	1.2
White	2563	1925	1.3
<u>MARITAL STATUS</u>			
Married	2096	1578	1.3
Single	543	419	1.3
Divorced	31	19	1.6
Widowed	34	25	1.4
<u>HEALTH STATUS*</u>			
H-1	647	524	1.2
H-2	1711	1276	1.3
H-3	346	241	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 Visits</u>	<u>No. of Employees</u>	<u>Average</u>
<u>DIVISION</u>			
Operations	136	77	1.8
Physics	60	64	0.9
Chemistry	253	210	1.2
Technical	268	181	1.5
Biology	89	99	0.9
Metallurgy	31	45	0.7
Training Program	28	33	0.8
Graduate Training Program	0	0	
Health Physics	196	112	1.8
Engineering, Maintenance & Construction	976	651	1.5
Personnel and Service	223	183	1.2
Health	15	24	0.6
General Office	129	134	1.0
Security	191	154	1.2
Directors	97	59	1.6
Wage Standards	0	3	0.0
Math Panel	12	12	1.0
<u>AGE GROUP</u>			
18 to 19 years	10	8	1.3
20 to 29 years	998	775	1.3
30 to 39 years	994	754	1.3
40 to 49 years	462	350	1.3
50 to 59 years	205	135	1.5
60 to 65 years	35	19	1.8
<u>SHIFT</u>			
Straight days	2165	1731	1.3
Rotating shifts	471	280	1.7
Straight shift	68	30	2.3
<u>PAYROLL</u>			
Hourly	1173	778	1.5
Weekly	668	527	1.3
Monthly	863	736	1.2

TIME LOST BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

	<u>Days Lost</u>	<u>Scheduled Days</u>	<u>Percent Time Lost</u>
TOTAL	674	46943	1.4
<u>SEX</u>			
Female	219	9039	2.4
Male	455	37904	1.2
<u>OCCUPATION</u>			
Life scientist	17	1196	1.4
Physical scientist	56	6509	0.9
Engineer	53	4301	1.2
Technical assistant	126	5704	2.2
Administrative and managerial personnel	36	3151	1.1
Clerical personnel	109	8027	1.4
Laborer	12	1633	0.7
Maintenance personnel	38	2162	1.8
Protective personnel	19	3634	0.5
Craftsman	190	7659	2.5
Chemical operator	6	1564	0.4
Equipment operator	12	1403	0.9
<u>RACE</u>			
Colored	51	2668	1.9
White	623	44275	1.4
<u>MARITAL STATUS</u>			
Married	542	36294	1.5
Single	121	9637	1.3
Divorced	8	437	1.8
Widowed	3	575	0.5
<u>HEALTH STATUS*</u>			
H-1	148	12052	1.2
H-2	462	29348	1.6
H-3	64	5543	1.2

\*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	33	1771	1.9
Physics	22	1472	1.5
Chemistry	91	4830	1.9
Technical	72	4163	1.7
Biology	6	2277	0.3
Metallurgy	0	1035	0.0
Training Program	0	759	0.0
Graduate Training Program	0	0	
Health Physics	75	2576	2.9
Engineering, Maintenance & Construction	278	14973	1.9
Personnel and Service	13	4209	0.3
Health	17	552	3.1
General Office	27	3082	0.9
Security	25	3542	0.7
Directors	12	1357	0.9
Wage Standards	0	69	0.0
Math Panel	3	276	1.1
<u>AGE GROUP</u>			
18 to 19 years	2	184	1.1
20 to 29 years	191	17825	1.1
30 to 39 years	242	17342	1.4
40 to 49 years	159	8050	2.0
50 to 59 years	48	3105	1.5
60 to 65 years	32	437	7.3
<u>SHIFT</u>			
Straight days	610	39813	1.5
Rotating shifts	62	6440	1.0
Straight shift	2	690	0.3
<u>PAYROLL</u>			
Hourly	266	17894	1.5
Weekly	232	12121	1.9
Monthly	176	16928	1.0

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>
TOTAL	167	2041	8.2
<u>SEX</u>			
Female	74	393	18.8
Male	93	1648	5.6
<u>OCCUPATION</u>			
Life scientist	3	52	5.8
Physical scientist	13	283	4.6
Engineer	14	187	7.5
Technical assistant	37	248	14.9
Administrative and managerial personnel	3	137	2.2
Clerical personnel	54	349	15.5
Laborer	5	71	7.0
Maintenance personnel	6	94	6.4
Protective personnel	8	158	5.1
Craftsman	20	333	6.0
Chemical operator	2	68	2.9
Equipment operator	2	61	3.3
<u>RACE</u>			
Colored	10	116	8.6
White	157	1925	8.2
<u>MARITAL STATUS</u>			
Married	119	1578	7.5
Single	43	419	10.3
Divorced	3	19	15.8
Widowed	2	25	8.0
<u>HEALTH STATUS*</u>			
H-1	33	524	6.3
H-2	111	1276	8.7
H-3	23	241	9.5

\* 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	6	77	7.8
Physics	9	64	14.1
Chemistry	27	210	12.9
Technical	17	181	9.4
Biology	3	99	3.0
Metallurgy	0	45	0.0
Training Program	0	33	0.0
Graduate Training Program	0	0	
Health Physics	16	112	14.3
Engineering, Maintenance & Construction	43	651	6.6
Personnel and Service	8	183	4.4
Health	2	24	8.3
General Office	11	134	8.2
Security	16	154	10.4
Directors	8	59	13.6
Wage Standards	0	3	0.0
Math Panel	1	12	8.3
<u>AGE GROUP</u>			
18 to 19 years	1	8	12.5
20 to 29 years	73	775	9.4
30 to 39 years	59	754	7.8
40 to 49 years	24	350	6.9
50 to 59 years	8	135	5.9
60 to 65 years	2	19	10.5
<u>SHIFT</u>			
Straight days	150	1731	8.7
Rotating shifts	15	280	5.4
Straight shift	2	30	6.7
<u>PAYROLL</u>			
Hourly	41	778	5.3
Weekly	88	527	16.7
Monthly	38	736	5.2

STATISTICAL SUMMARY

Severity Rate -----3.6 days lost per absence  
Disability Rate-----14.4 days lost per 1000 days scheduled  
Frequency Rate -----4.0 absences per 1000 days scheduled

Number of Patients-----1185  
Number of Visits-----2810  
Number of Procedures-----3391

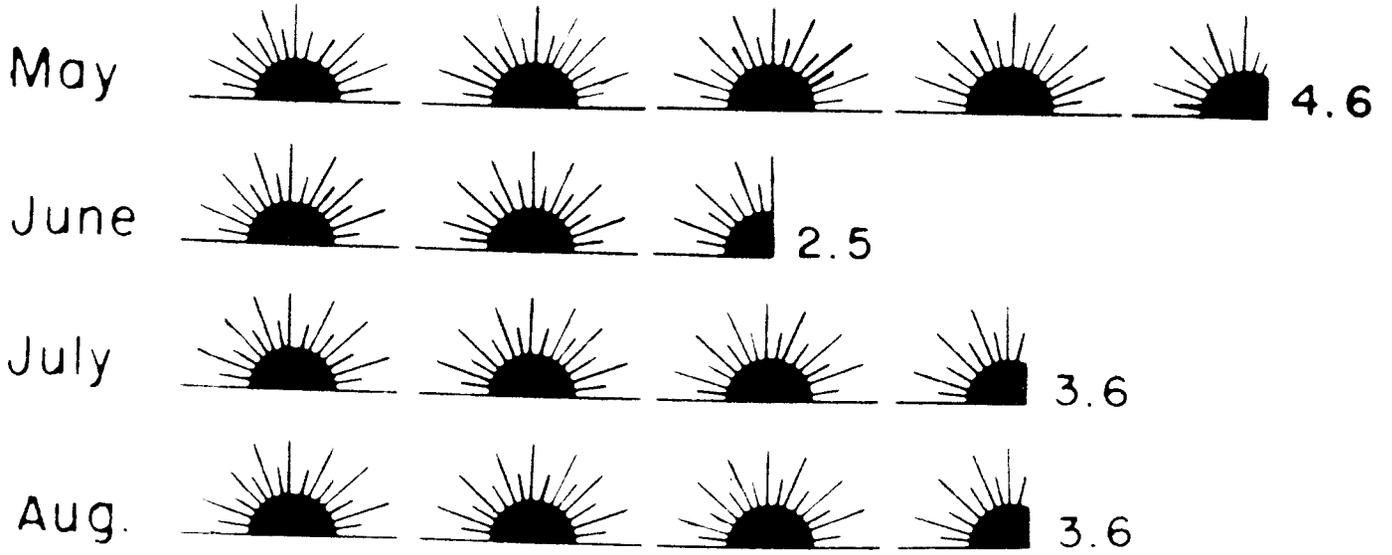
Number of Employees at Laboratory --2041

Percent of Employees Visiting Dispensary-----58.1  
Number of Visits per Employee-----1.4  
Number of Illness Absences per Employee-----0.1

# SEVERITY RATE

## Days Lost Per Absence

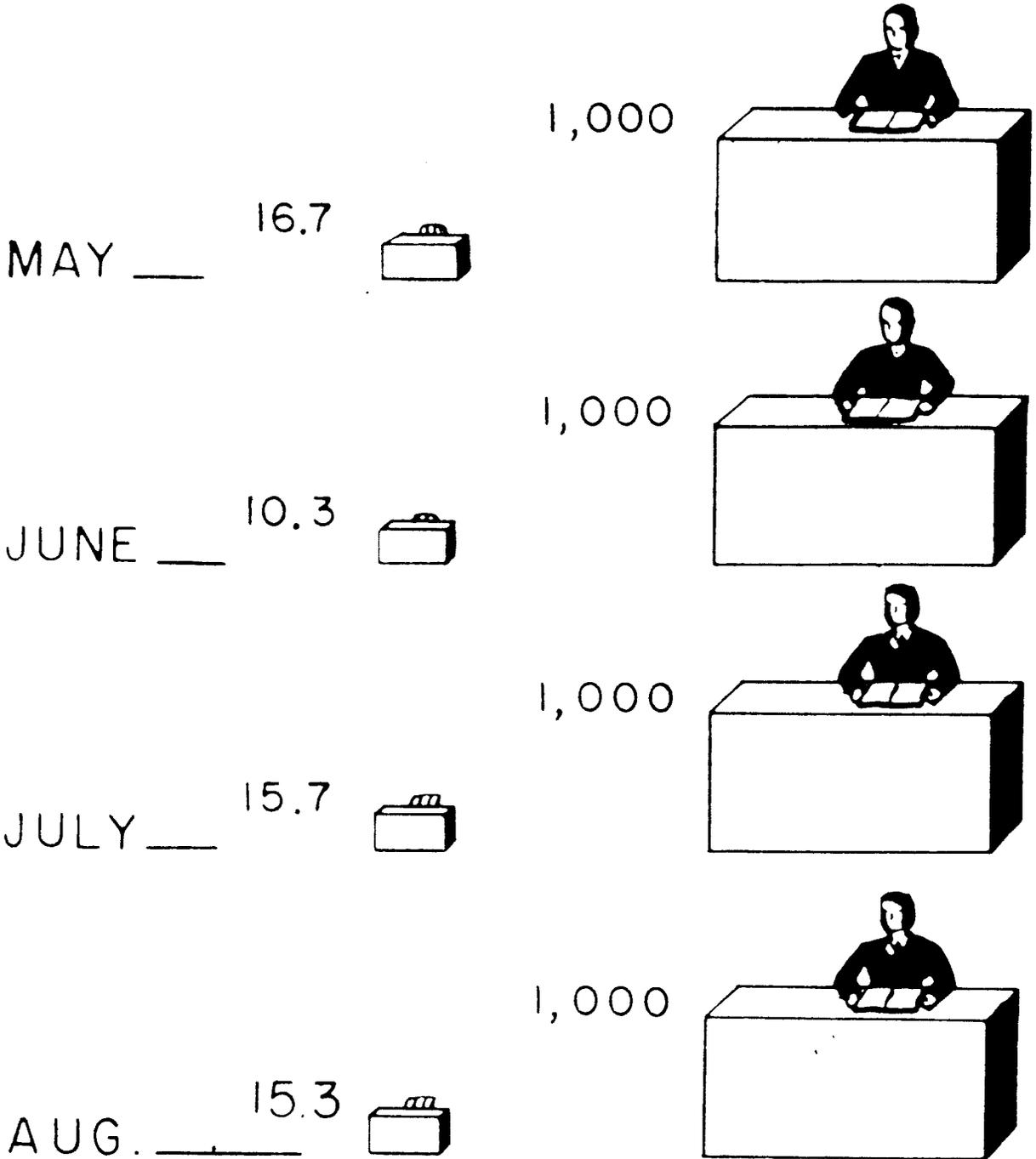
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# DISABILITY RATE

Days Lost Per 1,000 Days Scheduled

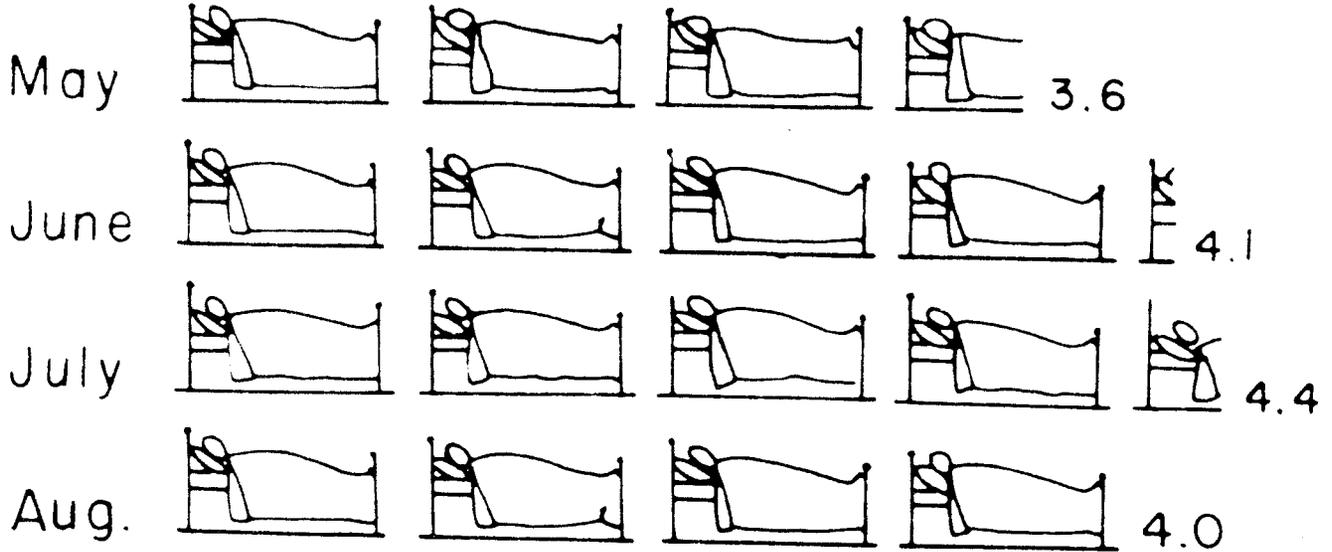
Dwg. 8142  
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# FREQUENCY RATE

Illness Absences Per 1,000 Days Scheduled

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Unclassified



# PERCENT OF EMPLOYEES VISITING DISPENSARY

Dwg. 8144  
Unclassified

