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HEALTH DIVISION REPORT FOR  
MONTH ENDING SEPTEMBER 30, 1951



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OAK RIDGE NATIONAL LABORATORY  
OPERATED BY  
CARBIDE AND CARBON CHEMICALS COMPANY  
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION



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HEALTH DIVISION

REPORT FOR THE MONTH ENDING SEPTEMBER 30, 1951

J. S. Felton, M. D.

DATE ISSUED

JUN 24 1952

OAK RIDGE NATIONAL LABORATORY  
operated by  
CARBIDE AND CARBON CHEMICALS COMPANY  
A Division of Union Carbide and Carbon Corporation  
Post Office Box P  
Oak Ridge, Tennessee

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ORNL -1225  
September 30, 1951

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DISTRIBUTION OF EFFORT FOR THE MONTH OF SEPTEMBER 1951

|                     | <u>Monthly</u> | <u>Weekly</u> | <u>Hourly</u> |
|---------------------|----------------|---------------|---------------|
| <u>Personnel</u>    |                |               |               |
| Physicians          | 2              | 0             | 0             |
| Nurses              | 1              | 6             | 0             |
| Medical Technicians | 0              | 2             | 0             |
| X-ray Technician    | 0              | 1             | 0             |
| Office Personnel    | 0              | 8             | 0             |
| Custodial Personnel | 0              | 0             | 3             |
|                     | <u>3</u>       | <u>17</u>     | <u>3</u>      |

Number of technical personnel added: 0

Number of technical personnel terminated: 0

ALLOCATION OF TIME

Physicians

|                      |     |   |   |
|----------------------|-----|---|---|
| Administrative       | 1/3 | 0 | 0 |
| Physical Examination | 2/3 | 0 | 0 |
| Dispensary Service   | 2/3 | 0 | 0 |
| Health Education     | 1/3 | 0 | 0 |

Nurses

|                          |     |   |   |
|--------------------------|-----|---|---|
| Supervision              | 1/2 | 0 | 0 |
| Dispensary Shift Nursing | 1/2 | 6 | 0 |

Medical Technicians

|                    |   |     |   |
|--------------------|---|-----|---|
| General Laboratory | 0 | 1   | 0 |
| Blood Studies      | 0 | 1/2 | 0 |
| Urinalysis         | 0 | 1/2 | 0 |

X-ray Technician

|  |   |   |   |
|--|---|---|---|
|  | 0 | 1 | 0 |
|--|---|---|---|

Office Personnel

|  |   |   |   |
|--|---|---|---|
|  | 0 | 8 | 0 |
|--|---|---|---|

Custodial Personnel

|  |   |   |   |
|--|---|---|---|
|  | 0 | 0 | 3 |
|--|---|---|---|

|  |          |           |          |
|--|----------|-----------|----------|
|  | <u>3</u> | <u>17</u> | <u>3</u> |
|--|----------|-----------|----------|

STATISTICAL SUMMARY

Severity Rate . . . . . 4.0 days lost per illness absence  
 Disability Rate . . . . . 17.3 days lost per 1000 days scheduled  
 Frequency Rate . . . . . 4.3 illness absences per 1000 days scheduled

Number of patients

Employee . . . . . 1581  
 Non-employee  
 A.E.C. . . . . 7  
 American Cyanamide . . . . . 30  
 Austin Company . . . . . 0  
 DuPont (Savannah) . . . . . 42  
 Foster-Wheeler . . . . . 4  
 Phillips Petroleum . . . . . 14  
 J. A. Jones . . . . . 0  
 Other . . . . . 40  
 Total . . . . . 137  
 Prospective employees . . . . . 14  
 Total patients . . . . . 1732

Number of patients seen at X-10 Dispensary . . . . . 1487  
 Number of patients seen at Y-12 Dispensary . . . . . 245  
 Total patients . . . . . 1732

Number of visits

Employee  
 X-10 Dispensary . . . . . 2703  
 Y-12 Dispensary . . . . . 479  
 Total . . . . . 3182

Non-employee  
 A.E.C. . . . . 8  
 American Cyanamide . . . . . 43  
 Austin Company . . . . . 0  
 DuPont (Savannah) . . . . . 107  
 Foster-Wheeler . . . . . 4  
 Phillips Petroleum . . . . . 22  
 J. A. Jones . . . . . 0  
 Other . . . . . 122  
 Total . . . . . 306  
 Total visits . . . . . 3488

Number of procedures

Procedures performed at X-10 . . . . . 4492  
 Procedures performed at Y-12 . . . . . 490  
 Preliminary procedures . . . . . 73  
 Total procedures . . . . . 5055

Number of employees at the Laboratory . . . . . 3002

STATISTICAL SUMMARY (continued from page 4)

|   |           |
|---|-----------|
| Percent Employees visiting Dispensary . . . . .                       | 52.7      |
| Number of Visits per Employee . . . . .                               | 1.1       |
| Percent of Visitors Visiting Dispensary . . . . .                     | 35.0      |
| Number of Visits per Visitor . . . . .                                | .7        |
| Number of Illness Absences per Employee . . . . .                     | .1        |
| Ratio of occupational to Non-occupational Procedures . . . . .        | 1 : 0.8   |
| Ratio of Non-occupational to Occupational Injuries, first visit . . . | 1 : 1.7   |
| Ratio of Non-occupational to Occupational Injuries, all visits . . .  | 1 : 3.3   |
| Ratio of Occupational to Non-occupational Illnesses, first visit . .  | *         |
| Ratio of Occupational to Non-occupational Illnesses, all visits . . . | 1 : 295.5 |
| Ratio of Occupational to Non-occupational Absences . . . . .          | 1 : 124.5 |
| Ratio of Occupational to Non-occupational Days Lost . . . . .         | **        |

\* Ratio is not shown since there were no occupational illnesses during the month of September.

\*\* Ratio is not shown since the occupational absences were less than 1 day's duration.

ORNL - 1225  
September 30, 1951

PROCEDURES ACCOMPLISHED FOR THE MONTH OF SEPTEMBER 1951

|   | <u>No. of<br/>Procedures</u> |
|---|------------------------------|
| Non-occupational injury                             | 91                           |
| " " " , revisit                                     | 86                           |
| Non-occupational illness                            | 828                          |
| " " " , revisit                                     | 354                          |
| Occupational injury or exposure, chemical           | 11                           |
| " " " " " , revisit                                 | 15                           |
| Occupational injury or exposure, chemical, a.o.q.*  | 0                            |
| " " " " " " , revisit                               | 0                            |
| Occupational injury or exposure, n.o.c.**           | 138                          |
| " " " " " , revisit                                 | 409                          |
| Occupational injury or exposure, n.o.c. **, a.o.q.* | 3                            |
| " " " " " " , revisit                               | 1                            |
| Occupational injury or exposure, radiation          | 0                            |
| " " " " " , revisit                                 | 0                            |
| Occupational injury or exposure, radiation, a.o.q.* | 0                            |
| " " " " " " , revisit                               | 0                            |
| Occupational illness, n.o.c.**                      | 0                            |
| " " " " , revisit                                   | 4                            |
| Absence due to illness or injury, non-occupational  | 249                          |
| " " " " " " , occupational                          | 2                            |
| Physical examination, industrial hygiene            | 114                          |
| Physical examination, pre-placement                 | 113                          |
| Physical examination, rehire                        | 14                           |
| Physical examination, periodic health               | 34                           |
| Physical examination, food handler                  | 1                            |
| Physical examination, other                         | 47                           |
| Physical examination, termination                   | 86                           |
| Physical examination, job transfer                  | 15                           |
| Audiogram   | 245                          |
| Blood donation                                      | 3                            |
| Clinical laboratory procedure /                     | 421                          |
| Electrocardiogram                                   | 125                          |
| Field clinical laboratory procedure                 | 0                            |

\* a.o.q. - alleged or questionable  
 \*\* n.o.c. - not otherwise classified  
 / see next page

ORNL - 1225  
September 30, 1951

|  | <u>No. of<br/>Procedures</u> |
|--|------------------------------|
| Occupational vision section procedures:        |                              |
| Spectacles issued, plano                       | 35                           |
| Spectacles ordered, prescription               | 32                           |
| Spectacles issued, prescription                | 33                           |
| Orthorater examination                         | 195                          |
| Partial replacement                            | 13                           |
| Adjustment or repair                           | 24                           |
| Advisory service                               | 33                           |
| Total  | 365                          |
| X-ray examination:                             |                              |
| X-ray examination, non-occupational condition  | 53                           |
| X-ray examination, occupational condition      | 327                          |
| Total  | 380                          |
| Special study interview                        | 3                            |
| Consultation, non-occupational condition       | 147                          |
| Consultation, occupational condition           | 1                            |
| Consultation without patient, non-occupational | 33                           |
| Consultation without patient, occupational     | 2                            |
| Home visit                                     | 1                            |
| Pre-marital serodiagnostic test                | 5                            |
| Immunization                                   | 646                          |
| Diagnostic procedure for an outside physician  | 47                           |
| Clinical photograph                            | 5                            |
| Dispensary visit, patient not seen             | 11                           |
| GRAND TOTAL                                    | 5055                         |

∕ The figure on page 6 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                      | 1    |
| Bacteriological Smear              | 2    |
| Basal Metabolism                   | 1    |
| Blood Glucose                      | 1    |
| Complete Blood Count               | 319  |
| Kahn - Presumptive                 | 164  |
| Kahn - Standard                    | 2    |
| Kahn - Titer                       | 2    |
| Red Blood Count                    | 19   |
| Rh Factor                          | 36   |
| Sedimentation Rate                 | 11   |
| Sputum                             | 2    |
| Typing - Blood                     | 136  |
| Urinalysis                         | 335  |
| Vital Capacity                     | 2    |
| White Blood Count and Differential | 15   |
| Hemaglobin                         | 37   |
| Total                              | 1085 |

ORNL - 1225  
September 30, 1951

DISPOSITION FOLLOWING DISPENSARY VISITS

|  |      |
|--|------|
| Return to regular work                 | 3943 |
| Return to modified or part-time work   | 334  |
| Remain off work                        | 627  |
| Granted leave                          | 0    |
| Died in plant                          | 0    |
| Rejected                               | 2    |
| Accepted conditionally                 | 5    |
| Accepted                               | 120  |
| Sent to hospital or physician's office | 22   |
| Death                                  | 2    |
|  | 5055 |

ATTENDANT

|                                       |      |
|---------------------------------------|------|
| First aid attendant                   | 0    |
| First aid attendant and nurse         | 0    |
| First aid attendant, nurse and doctor | 1    |
| Nurse                                 | 2659 |
| Nurse and doctor                      | 214  |
| Doctor                                | 574  |
| Doctor and first aid attendant        | 0    |
| Technician                            | 1607 |
|                                       | 5055 |

ORNL - 1225  
September 30, 1951

TIME LOST DUE TO ILLNESS ABSENCE

|                 | <u>No. of<br/>Absences</u> | <u>No. of<br/>Days Lost</u> |
|-----------------|----------------------------|-----------------------------|
| Less than 1 day | 17                         | 0                           |
| 1 day           | 115                        | 115                         |
| 2 days          | 28                         | 56                          |
| 3 days          | 25                         | 75                          |
| 4 days          | 12                         | 48                          |
| 5 days          | 19                         | 95                          |
| 6 days          | 5                          | 30                          |
| 7 days          | 2                          | 14                          |
| 8 days          | 1                          | 8                           |
| 9 days          | 3                          | 27                          |
| 10 days         | 7                          | 70                          |
| 11 days         | 2                          | 22                          |
| 13 days         | 1                          | 13                          |
| 14 days         | 1                          | 14                          |
| 15 days         | 2                          | 30                          |
| 18 days         | 2                          | 36                          |
| 19 days         | 1                          | 19                          |
| 21 days         | 1                          | 21                          |
| 23 days         | 1                          | 23                          |
| 25 days         | 1                          | 25                          |
| 32 days         | 1                          | 32                          |
| 39 days         | 1                          | 39                          |
| 40 days         | 1                          | 40                          |
| 62 days         | 1                          | 62                          |
| 99 days         | 1                          | 99                          |
|                 | 251                        | 1013                        |

ORNL-1225  
September 30, 1951

NUMBER OF DIAGNOSES FOR ALL VISITS

No. of Diagnoses

INJURIES

Non-occupational:

|  |     |
|--|-----|
| Superficial injuries (abrasions, blisters,<br>insect bites, scratches) | 54  |
| Lacerations  | 50  |
| Contusions   | 18  |
| Strains and sprains  | 27  |
| Foreign bodies   | 2   |
| Burns (thermal, chemical and radiant)                                  | 30  |
| Fractures  | 10  |
| Amputations  | 4   |
| Head injury  | 3   |
| Miscellaneous  | 6   |
| Total  | 204 |

Occupational:

|  |     |
|--|-----|
| Superficial injuries (abrasions, blisters,<br>insect bites, scratches) | 118 |
| Lacerations  | 193 |
| Contusions   | 56  |
| Strains and sprains  | 51  |
| Foreign bodies   | 12  |
| Burns (thermal, chemical and radiant)                                  | 92  |
| Fractures  | 35  |
| Head injury  | 11  |
| Poisoning by gases and vapors  | 1   |
| Miscellaneous  | 9   |
| Total  | 578 |

TOTAL DIAGNOSES OF INJURY

782

No. of diagnoses

ILLNESSES

Non-occupational:

|  |      |
|--|------|
| Respiratory                                | 620  |
| Digestive                                  | 203  |
| Circulatory                                | 101  |
| Diseases of blood and blood-forming organs | 27   |
| Genito-urinary                             | 59   |
| Bones and joints                           | 167  |
| Diseases of skin                           | 113  |
| Dermatitis                                 | 9    |
| Diseases of eye                            | 102  |
| Diseases of ear                            | 47   |
| Allergic, endocrine and metabolic diseases | 117  |
| Diseases of thyroid gland                  | 64   |
| Infections diseases                        | 110  |
| Psychoneurotic disorders                   | 7    |
| Common benign tumors                       | 7    |
| Symptoms and ill-defined conditions        | 129  |
| Total                                      | 1882 |

Occupational:

|                                     |    |
|-------------------------------------|----|
| Respiratory                         | 2  |
| Bones and joints                    | 1  |
| Dermatitis                          | 9  |
| Symptoms and ill-defined conditions | 1  |
| Total                               | 13 |

TOTAL DIAGNOSES OF ILLNESS

|   |      |
|---|------|
|   | 1895 |
| No abnormal findings  | 53   |
| Absence for general medical examination   | 2    |
| Prophylactic inoculation and vaccination  | 32   |
| Follow-up examination for tuberculosis not<br>needing further medical care          | 1    |
| Of inactive pulmonary tuberculosis not known<br>to have been active                 | 1    |
| Follow-up examination after operation, injury<br>or disease other than tuberculosis | 23   |

ORNL-1225  
September 30, 1951

|   | <u>No. of diagnoses</u> |                    |
|---|-------------------------|--------------------|
| Normal pregnancy  | 3                       |                    |
| Medical and surgical aftercare  | 15                      |                    |
| Immunizations   | 705                     |                    |
| Impairment due to other and unspecified<br>accident and poisonings except war | 2                       |                    |
| Loss due to accident by cutting and piercing<br>instruments                   | 1                       |                    |
| Loss due to other and unspecified accidents<br>and poisonings except war      | 3                       |                    |
| Congenital malformations  | 16                      |                    |
| Operations as cause of absences   | 9                       |                    |
| Neoplasms   | 5                       |                    |
| Total   |                         | 871                |
| TOTAL DIAGNOSES   |                         | <u>3548</u>        |
| Special services <u>not</u> involving diagnoses                               |                         | 1780               |
| GRAND TOTAL   |                         | <u><u>5328</u></u> |

ORNL-1225  
September 30, 1951

ABSENCES AND TIME LOST BY GENERAL DIAGNOSIS GROUPS

|   | <u>No. of<br/>Absences</u> | <u>Days<br/>Lost</u> |
|---|----------------------------|----------------------|
| <u>ILLNESSES</u>  |                            |                      |
| Respiratory   | 97                         | 240                  |
| Digestive   | 49                         | 200                  |
| Circulatory   | 2                          | 63                   |
| Genito-urinary  | 24                         | 48                   |
| Bones and joints  | 15                         | 69                   |
| Diseases of skin  | 5                          | 20                   |
| Dermatitis  | 1                          | 1                    |
| Disease of eye  | 3                          | 13                   |
| Disease of ear  | 1                          | 3                    |
| Endocrine, metabolic and nutritional  | 5                          | 42                   |
| Infectious diseases   | 1                          | 4                    |
| Psychoneurotic disorders  | 2                          | 11                   |
| Symptoms and ill-defined conditions   | 21                         | 160                  |
| <u>INJURIES</u>   |                            |                      |
| Superficial injuries (abrasions, blisters,<br>insect bites, scratches)              | 1                          | 1                    |
| Lacerations   | 2                          | 0                    |
| Contusions  | 1                          | 2                    |
| Strains and sprains   | 6                          | 19                   |
| Fractures   | 2                          | 15                   |
| Miscellaneous   | 2                          | 3                    |
| Absences for general medical examinations   | 2                          | 4                    |
| Follow-up examination after operation,<br>injury or disease other than tuberculosis | 3                          | 34                   |
| Operations as cause of absence  | 6                          | 61                   |
| TOTAL   | <u>251</u>                 | <u>1013</u>          |

ORNL - 1225  
September 30, 1951

NUMBER OF VISITS BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

|   | <u>No. of<br/>Visits</u> | <u>No. of<br/>Employees</u> | <u>Average</u> |
|---|--------------------------|-----------------------------|----------------|
| TOTAL                                   | 3182                     | 3002                        | 1.1            |
| <u>SEX</u>                              |                          |                             |                |
| Female                                  | 616                      | 499                         | 1.2            |
| Male                                    | 2566                     | 2503                        | 1.0            |
| <u>OCCUPATION</u>                       |                          |                             |                |
| Life scientist                          | 40                       | 60                          | .7             |
| Physical scientist                      | 495                      | 517                         | 1.0            |
| Engineer                                | 361                      | 419                         | .9             |
| Technical assistant                     | 615                      | 412                         | 1.5            |
| Administrative and managerial personnel | 82                       | 156                         | .5             |
| Clerical                                | 340                      | 343                         | 1.0            |
| Laborer                                 | 116                      | 107                         | 1.1            |
| Maintenance                             | 76                       | 55                          | 1.4            |
| Protective                              | 203                      | 158                         | 1.3            |
| Craftsman                               | 689                      | 636                         | 1.1            |
| Chemical operator                       | 141                      | 85                          | 1.7            |
| Equipment operator                      | 24                       | 54                          | .4             |
| <u>RACE</u>                             |                          |                             |                |
| Colored                                 | 217                      | 166                         | 1.3            |
| White                                   | 2963                     | 2835                        | 1.0            |
| Oriental                                | 2                        | 1                           | 2.0            |
| <u>MARITAL STATUS</u>                   |                          |                             |                |
| Married                                 | 2439                     | 2421                        | 1.0            |
| Single                                  | 653                      | 518                         | 1.3            |
| Widowed                                 | 53                       | 38                          | 1.4            |
| Divorced                                | 37                       | 25                          | 1.5            |
| <u>HEALTH STATUS*</u>                   |                          |                             |                |
| H-1                                     | 555                      | 581                         | 1.0            |
| H-2                                     | 2293                     | 2158                        | 1.1            |
| H-3                                     | 260                      | 237                         | 1.1            |
| H-4                                     | 2                        | 0                           |                |
| H-5                                     | 72                       | 26                          | 2.8            |

\*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.

H-5 Temporary employees, who aren't given a complete physical examination, are placed in this category since their physical status can not be determined.

| <u>DIVISION</u>                  | <u>No. of Visits</u> | <u>No. of Employees</u> | <u>Average</u> |
|----------------------------------|----------------------|-------------------------|----------------|
| Operations                       | 112                  | 95                      | 1.2            |
| Physics                          | 57                   | 94                      | .6             |
| Chemistry                        | 83                   | 108                     | .8             |
| Reactor Experimental Engineering | 68                   | 83                      | .8             |
| Biology                          | 62                   | 107                     | .6             |
| Metallurgy                       | 120                  | 135                     | .9             |
| Reactor Projects                 | 0                    | 0                       |                |
| Education Relations and Training | 191                  | 74                      | 2.6            |
| Health Physics                   | 145                  | 113                     | 1.3            |
| Engineering and Maintenance      | 909                  | 977                     | .9             |
| Industrial Relations             | 246                  | 149                     | 1.7            |
| Health                           | 23                   | 22                      | 1.0            |
| General Office                   | 93                   | 141                     | .7             |
| Laboratory Protection            | 211                  | 171                     | 1.2            |
| Directors                        | 35                   | 39                      | .9             |
| Analytical Chemistry             | 275                  | 167                     | 1.6            |
| Math Panel                       | 17                   | 24                      | .7             |
| Chemical Technology              | 151                  | 133                     | 1.1            |
| Information and Reports          | 61                   | 62                      | 1.0            |
| Materials Chemistry              | 87                   | 57                      | 1.5            |
| Research Director                | 47                   | 77                      | .6             |
| Electromagnetic Research         | 62                   | 51                      | 1.2            |
| Isotope Research and Production  | 46                   | 62                      | .7             |
| ANP                              | 73                   | 59                      | 1.2            |
| Assistant Research Director      | 8                    | 2                       | 4.0            |
| <u>AGE GROUP</u>                 |                      |                         |                |
| 18 to 19 years                   | 23                   | 27                      | .9             |
| 20 to 29 years                   | 1199                 | 978                     | 1.2            |
| 30 to 39 years                   | 1196                 | 1206                    | 1.0            |
| 40 to 49 years                   | 559                  | 581                     | 1.0            |
| 50 to 59 years                   | 190                  | 181                     | 1.0            |
| 60 to 69 years                   | 15                   | 29                      | .5             |
| <u>SHIFT</u>                     |                      |                         |                |
| Straight days                    | 2757                 | 2672                    | 1.0            |
| Rotating shifts                  | 400                  | 294                     | 1.4            |
| Straight shift                   | 25                   | 36                      | .7             |
| <u>PAYROLL</u>                   |                      |                         |                |
| Hourly                           | 1225                 | 1069                    | 1.1            |
| Weekly                           | 882                  | 785                     | 1.1            |
| Monthly                          | 1075                 | 1148                    | .9             |

ORNL - 1225  
September 30, 1951

TIME LOST BY PERSONAL, OCCUPATIONAL AND GROUP CHARACTERISTICS

|   | <u>Days<br/>Lost</u> | <u>Scheduled<br/>Days</u> | <u>Percent<br/>Time Lost</u> |
|---|----------------------|---------------------------|------------------------------|
| TOTAL                                   | 985                  | 57038                     | 1.7                          |
| <u>Sex</u>                              |                      |                           |                              |
| Male                                    | 776                  | 47557                     | 1.6                          |
| Female                                  | 209                  | 9481                      | 2.2                          |
| <u>Occupation</u>                       |                      |                           |                              |
| Life Scientist                          | 0                    | 1140                      |                              |
| Physical Scientist                      | 118                  | 9823                      | 1.2                          |
| Engineer                                | 96                   | 7961                      | 1.2                          |
| Technical assistant                     | 142                  | 7828                      | 1.8                          |
| Administrative and Managerial Personnel | 17                   | 2964                      | .6                           |
| Clerical Personnel                      | 96                   | 6517                      | 1.5                          |
| Laborer                                 | 25                   | 2033                      | 1.2                          |
| Maintenance Personnel                   | 16                   | 1045                      | 1.5                          |
| Protective Personnel                    | 91                   | 3002                      | 3.0                          |
| Craftsman                               | 283                  | 12084                     | 2.3                          |
| Chemical Operator                       | 6                    | 1615                      | .4                           |
| Equipment operator                      | 95                   | 1026                      | 9.3                          |
| <u>Race</u>                             |                      |                           |                              |
| Colored                                 | 49                   | 3154                      | 1.6                          |
| White                                   | 936                  | 53865                     | 1.7                          |
| Oriental                                | 0                    | 19                        |                              |
| <u>Marital Status</u>                   |                      |                           |                              |
| Married                                 | 837                  | 45999                     | 1.8                          |
| Single                                  | 128                  | 9842                      | 1.3                          |
| Widowed                                 | 3                    | 722                       | .4                           |
| Divorced                                | 17                   | 475                       | 3.6                          |
| <u>Health Status*</u>                   |                      |                           |                              |
| H-1                                     | 124                  | 11039                     | 1.1                          |
| H-2                                     | 648                  | 41002                     | 1.6                          |
| H-3                                     | 213                  | 4503                      | 4.7                          |
| H-5                                     | 0                    | 494                       |                              |

- \*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.
- H-5 Temporary employees who aren't given complete physical examinations are placed in this category since their physical status cannot be determined.

ORNL - 1225  
September 30, 1951

| <u>DIVISION</u>                  | Days<br>Lost | Scheduled<br>Days | Percent<br>Time Lost |
|----------------------------------|--------------|-------------------|----------------------|
| Operations                       | 4            | 1805              | .2                   |
| Physics                          | 21           | 1786              | 1.2                  |
| Chemistry                        | 12           | 2052              | .6                   |
| Reactor Experimental Engineering | 7            | 1577              | .4                   |
| Biology                          | 13           | 2033              | .6                   |
| Metallurgy                       | 34           | 2565              | 1.3                  |
| Reactor Projects                 | 0            |                   |                      |
| Education Relations and Training | 0            | 1406              |                      |
| Health Physics                   | 26           | 2147              | 1.2                  |
| Engineering and Maintenance      | 456          | 18563             | 2.5                  |
| Industrial Relations             | 37           | 2831              | 1.3                  |
| Health                           | 2            | 418               | .5                   |
| General Office                   | 19           | 2679              | .7                   |
| Laboratory Protection            | 96           | 3249              | 3.0                  |
| Directors                        | 4            | 741               | .5                   |
| Analytical Chemistry             | 85           | 3173              | 2.7                  |
| Math Panel                       | 2            | 456               | .4                   |
| Chemical Technology              | 47           | 2527              | 1.9                  |
| Information and Reports          | 15           | 1178              | 1.3                  |
| Materials Chemistry              | 11           | 1083              | 1.0                  |
| Research Director                | 11           | 1463              | .8                   |
| Electromagnetic Research         | 27           | 969               | 2.8                  |
| Isotope Research and Production  | 39           | 1178              | 3.3                  |
| ANP                              | 17           | 1121              | 1.5                  |
| Assistant Research Director      | 0            |                   |                      |
| <u>AGE GROUP</u>                 |              |                   |                      |
| 18 to 19 years                   | 1            | 513               | .2                   |
| 20 to 29 years                   | 288          | 18582             | 1.5                  |
| 30 to 39 years                   | 380          | 22914             | 1.7                  |
| 40 to 49 years                   | 313          | 11039             | 2.8                  |
| 50 to 59 years                   | 3            | 3439              | .1                   |
| 60 to 69 years                   | 0            | 551               |                      |
| <u>SHIFT</u>                     |              |                   |                      |
| Straight days                    | 859          | 50768             | 1.7                  |
| Rotating shifts                  | 86           | 5586              | 1.5                  |
| Straight shifts                  | 40           | 684               | 5.8                  |
| <u>PAYROLL</u>                   |              |                   |                      |
| Hourly                           | 514          | 20311             | 2.5                  |
| Weekly                           | 276          | 14915             | 1.9                  |
| Monthly                          | 195          | 21812             | .9                   |

ORNL -1225  
September 30, 1951

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

|   | <u>Absentees</u> | <u>No. of<br/>Employees</u> | <u>Percent<br/>Absentees</u> |
|---|------------------|-----------------------------|------------------------------|
| TOTAL                                   | 223              | 3002                        | 7.4                          |
| <u>SEX</u>                              |                  |                             |                              |
| Male                                    | 138              | 2503                        | 5.5                          |
| Female                                  | 85               | 499                         | 17.0                         |
| <u>OCCUPATION</u>                       |                  |                             |                              |
| Life Scientist                          | 1                | 60                          | 1.7                          |
| Physical Scientist                      | 26               | 517                         | 5.0                          |
| Engineer                                | 30               | 419                         | 7.2                          |
| Technical Assistant                     | 53               | 412                         | 12.9                         |
| Administrative and Managerial Personnel | 6                | 156                         | 3.8                          |
| Clerical Personnel                      | 52               | 343                         | 15.2                         |
| Laborer                                 | 7                | 107                         | 6.5                          |
| Maintenance Personnel                   | 4                | 55                          | 7.3                          |
| Protective Personnel                    | 5                | 158                         | 3.2                          |
| Craftsman                               | 30               | 636                         | 4.7                          |
| Chemical Operator                       | 3                | 85                          | 3.5                          |
| Equipment Operator                      | 6                | 54                          | 11.1                         |
| <u>RACE</u>                             |                  |                             |                              |
| Colored                                 | 12               | 166                         | 7.2                          |
| White                                   | 211              | 2835                        | 7.4                          |
| Oriental                                | 0                | 1                           |                              |
| <u>MARITAL STATUS</u>                   |                  |                             |                              |
| Married                                 | 171              | 2421                        | 7.1                          |
| Single                                  | 47               | 518                         | 9.1                          |
| Widowed                                 | 1                | 38                          | 2.6                          |
| Divorced                                | 4                | 25                          | 16.0                         |
| <u>HEALTH STATUS*</u>                   |                  |                             |                              |
| H-1                                     | 34               | 581                         | 5.9                          |
| H-2                                     | 161              | 2158                        | 7.5                          |
| H-3                                     | 28               | 237                         | 11.8                         |
| H-5                                     | 0                | 26                          |                              |

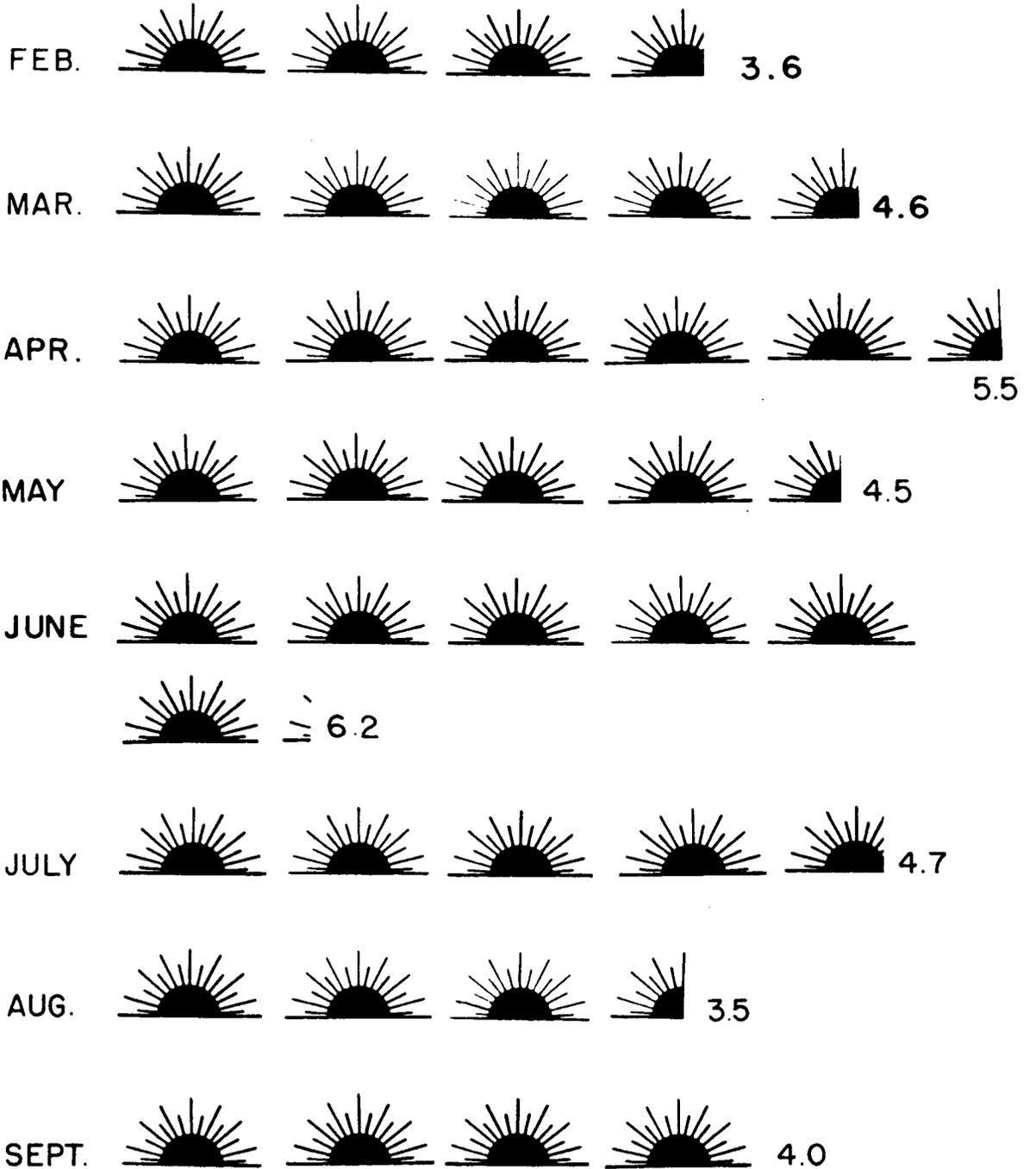
- \* H-1 Physically qualified for any position.
- H-2 Physically qualified for any position, but has minor defects.
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- H-5 Temporary employees are aren't given complete physical examinations are placed in this category since their physical status cannot be determined.

ORNL - 1225  
September 30, 1951

|                                  | <u>Absentees</u> | <u>No. of<br/>Employees</u> | <u>Percent<br/>Employees</u> |
|----------------------------------|------------------|-----------------------------|------------------------------|
| <u>DIVISION</u>                  |                  |                             |                              |
| Operations                       | 3                | 95                          | 3.2                          |
| Physics                          | 6                | 94                          | 6.4                          |
| Chemistry                        | 5                | 108                         | 4.6                          |
| Reactor Experimental Engineering | 3                | 83                          | 3.6                          |
| Biology                          | 4                | 107                         | 3.7                          |
| Metallurgy                       | 10               | 135                         | 7.4                          |
| Reactor Projects                 | 0                |                             |                              |
| Education Relations and Training | 0                | 74                          |                              |
| Health Physics                   | 12               | 113                         | 10.6                         |
| Engineering and Maintenance      | 69               | 977                         | 7.1                          |
| Industrial Relations             | 12               | 149                         | 8.1                          |
| Health                           | 1                | 22                          | 4.5                          |
| General Office                   | 6                | 141                         | 4.3                          |
| Laboratory Protection            | 7                | 171                         | 4.1                          |
| Directors                        | 2                | 39                          | 5.1                          |
| Analytical Chemistry             | 28               | 167                         | 16.8                         |
| Math Panel                       | 1                | 24                          | 4.2                          |
| Chemical Technology              | 14               | 133                         | 10.5                         |
| Information and Reports          | 11               | 62                          | 17.7                         |
| Materials Chemistry              | 8                | 57                          | 14.0                         |
| Research Director                | 6                | 77                          | 7.8                          |
| Electromagnetic Research         | 5                | 51                          | 9.8                          |
| Isotope Research and Production  | 5                | 62                          | 8.1                          |
| ANP                              | 5                | 59                          | 8.5                          |
| Assistant Research Director      | 0                | 2                           |                              |
| <u>AGE GROUP</u>                 |                  |                             |                              |
| 18 to 19 years                   | 1                | 27                          | 3.7                          |
| 20 to 29 years                   | 104              | 978                         | 10.6                         |
| 30 to 39 years                   | 78               | 1206                        | 6.5                          |
| 40 to 49 years                   | 36               | 581                         | 6.2                          |
| 50 to 59 years                   | 4                | 181                         | 2.2                          |
| 60 to 69 years                   | 0                | 29                          |                              |
| <u>SHIFT</u>                     |                  |                             |                              |
| Straight days                    | 201              | 2672                        | 7.5                          |
| Rotating shifts                  | 20               | 294                         | 6.8                          |
| Straight shift                   | 2                | 36                          | 5.6                          |
| <u>PAYROLL</u>                   |                  |                             |                              |
| Hourly                           | 54               | 1069                        | 5.1                          |
| Weekly                           | 116              | 785                         | 14.8                         |
| Monthly                          | 53               | 1148                        | 4.6                          |

# SEVERITY RATE Days Lost Per Absence

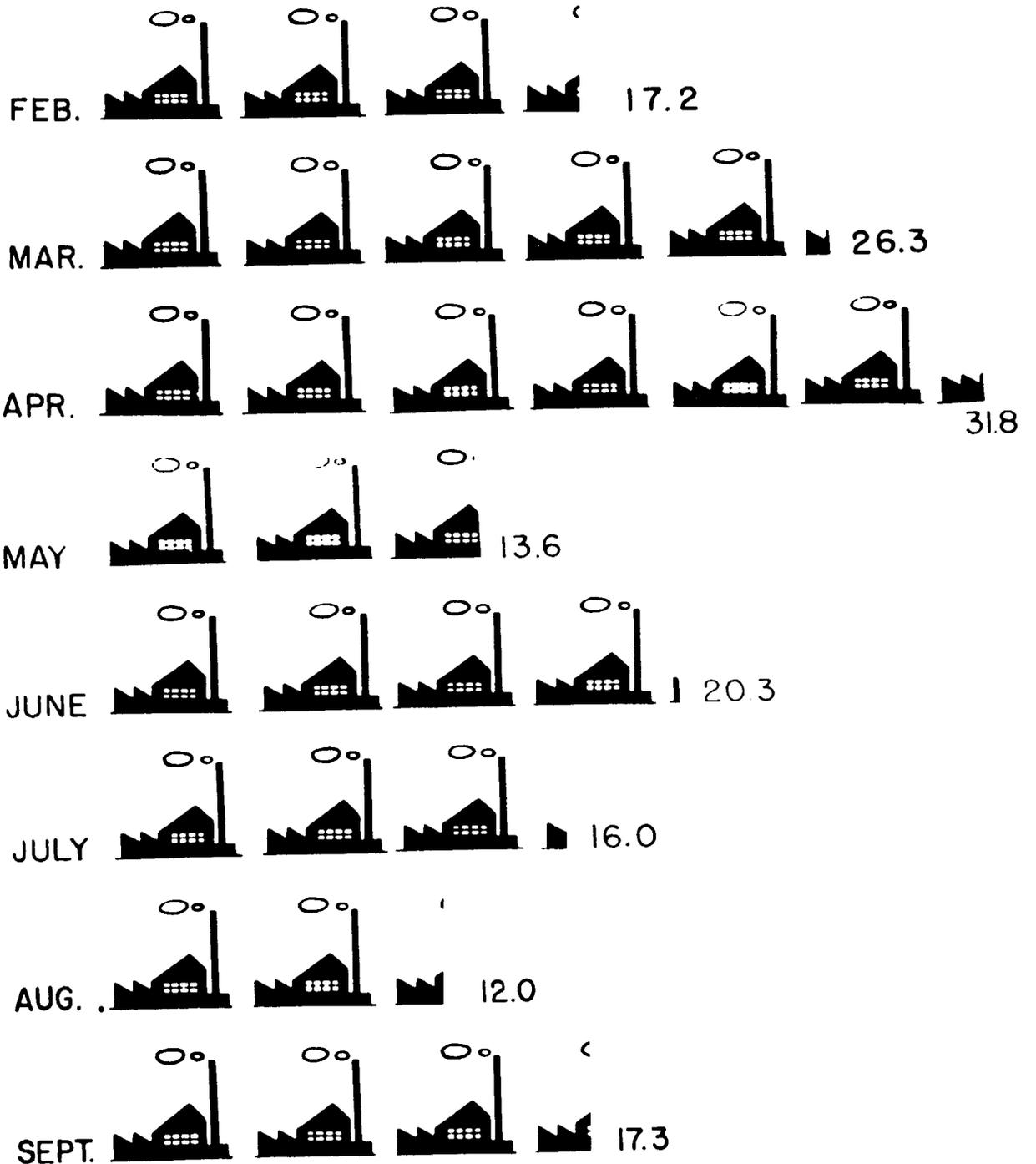
EACH SYMBOL REPRESENTS 1 DAY



# DISABILITY RATE

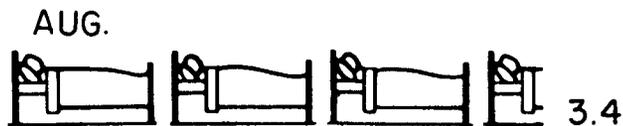
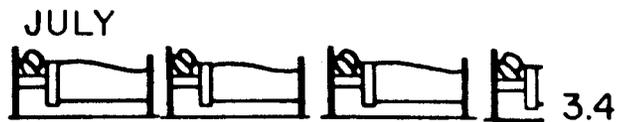
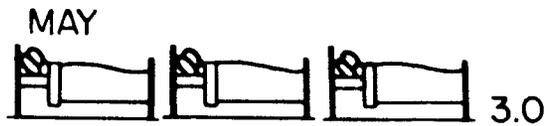
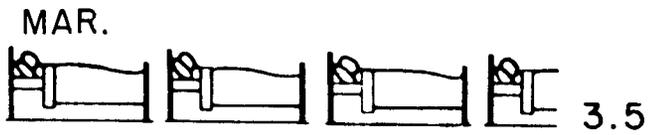
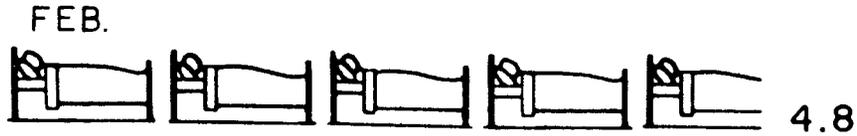
## Days Lost Per 1,000 Days Scheduled

EACH SYMBOL REPRESENTS 5 DAYS



# FREQUENCY RATE

## Illness Absences Per 1,000 Days Scheduled



# PERCENT OF EMPLOYEES VISITING DISPENSARY

EACH SYMBOL REPRESENTS 10%

