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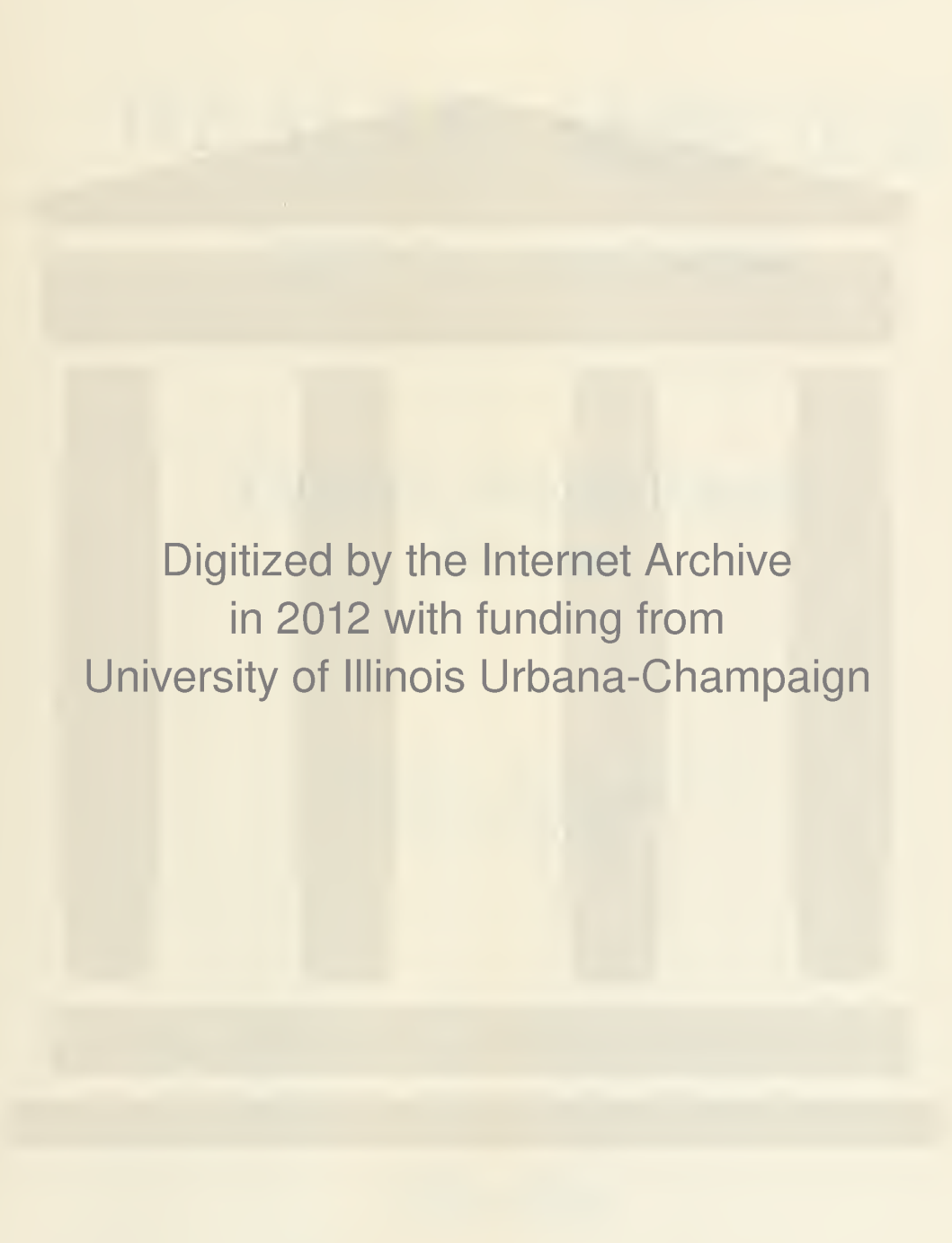
# Thirtieth Annual Report

*of the*

University of Illinois  
Health Service

1945-1946





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UNIVERSITY OF ILLINOIS  
HEALTH SERVICE

Departments in Urbana-Champaign

Thirtieth Annual Report  
1945-1946

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University Health Officer

Urbana, Illinois

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## HEALTH, THE FIRST ESSENTIAL

Whether we shall strive to become well-dressed, house-broken savages seeking new discoveries to enable us to travel faster to destroy our fellow men by the sudden release of catastrophic force, or to produce a secure and peaceful society through creative effort and mutual helpfulness -- health, both mental and physical, is the first essential.

The many rejections for military service in two World Wars in a quarter of a century, over-crowding in our institutions for the mentally ill, the wide prevalence of nervous dysfunction, and extensive evidence of avoidable disease in our population are compelling reminders that health education and preventive medicine have much to do if the public is to receive the greatest benefit from the biological, chemical, and physical sciences which have been so richly endowed through taxation and philanthropy.









TO THE PRESIDENT OF THE UNIVERSITY

SIR:

I have the honor to present herewith the Thirtieth Annual Report of the activities of the University Health Service covering the period of July 1, 1945 to June 30, 1946.

The year has been a most active one for the Health Service. The demands upon it have far exceeded its ability to meet them because of inability to fill vacancies on its Medical Staff. Sustained effort has been made to procure suitable personnel; the quest continues.

The Health Service is seriously handicapped because its medical personnel has been reduced to nearly 50 per cent of its normal strength in 1940. Nothing is so needed by it as the filling of vacancies on its staff with promising, well-trained physicians between 30 and 45 years of age to make it more effective, proficient and progressive. With the present shortage of doctors, good office facilities, a thoroughly modern health program, and pleasant living conditions, in addition to the prevailing stipend, are essential inducements to attract them.

A greatly reduced number of army trainees have received medical care during the year. They made a total of 3,213 visits to the Health Service Station on sick calls, for immunization, and regular monthly inspections. Civilian students made 29,558 visits to the Health Service, employees 2,691 and others 281, making a grand total of 32,530 calls for the year. Complete physical examinations were given to 9,047 students; of that number statistics have been compiled on 6095 men and 2633 women; 78 University High School students; 432 Civil Service employees, and 534 for the Retirement System.



## SERVICES

### Medical Examinations

#### I. Services to A.S.T.P. Trainees

The Health Service had 1,914 visits from A.S.T.P. trainees and made 1,299 physical inspections for them.

#### II. University Students

There were 16,614 students enrolled in the University at Champaign-Urbana during the academic year 1945-46. All but a very few of these called at the Health Service Station one or more times during the year for a total of 29,558 visits, or an average of 1.78 calls per student. The average call rate for women was 1.50; and for men, 1.94. A total of 9,047 calls were made by students because of the required physical examination.

#### III. University High School Students

A total of 78 pupils seeking admission to the University High School were examined. Of these 31 were boys and 47 were girls.

#### IV. Retirement System

The Health Service examined 534 academic and non-academic personnel preliminary to beginning participation in the University Retirement System of Illinois.

#### V. Employees

Because of the labor turn-over and the number of workers incidental to servicing the Union Building and Residence Halls, 432 prospective domestics and laborers were examined. Of these 268 were men and 164 were women. The University employees made 2,691 visits to the Health Service.



## VI. Student and Private Pilots

With the inauguration of instruction in flying at the University airfield, the Health Service was requested by the Director of the Institute of Aeronautics to examine prospective students of aviation in accordance with the requirement of the Civil Aeronautics Administration. A total of 119 were examined of whom 3 were women.

## VII. Foodhandlers

During the year, 298 foodhandlers were examined to determine their physical fitness and disease carrier status.

## VIII. Chauffeur Examinations

### A. Employees

A total of 44 individuals requested chauffeur examinations required for driving University automobiles. Of these, all were considered physically able to drive without involving unusual risks to themselves and the public.

### B. Students

During the year, 4 students requesting motor vehicle permits were examined; all were found to be physically capable of driving an automobile.

## IX. Applicants for Marriage Certificates

Pre-marital examinations have been available to students since the enactment of the Saltiel Law. During the year, 76 of them received the benefit of this service.

## X. Laboratory Service

In caring for students and employees, 11,885 laboratory tests were made; 9,783 at the Health Service Station and 2,102 by the State Branch Laboratory at 505 South Fifth Street, Champaign, Illinois.







TABLE I

Laboratory Tests

## At Health Service Station

	<u>Negative</u>	<u>Positive</u>	<u>Total</u>
Urinalyses	9519	264	9783

## At State Laboratory

	<u>Negative</u>	<u>Positive</u>	<u>Total</u>
Kahn Tests	1342	10	1352
Bacteriological examinations of excreta	427	-	427
Smears from the urethra	34	3	37
Smears for Vincent's Angina	106	121	227
Smears for Streptococci	2	3	5
Diphtheria cultures	8	-	8
Sputum examinations	43	3	46
Total	<u>1962</u>	<u>140</u>	<u>2102</u>

## FOLLOW-UP

I. General

When new students take their physical examinations, a brief summary of the abnormal findings, if any, is made on their records. Subsequently, they are recalled for conferences concerning the defects discovered, and are given advice regarding such correction or alleviation as may be possible. This phase of "follow-up" was much restricted during the year because of the reduction in the medical staff of the Health Service and great increase in the number of students, employees, and faculty members to be examined in accordance with University regulations.

II. Albuminuria

A total of 211 new students examined on matriculation in 1945-46 were found to have albuminuria. Repeated examinations showed the condition to be persistent in 76 instances and transient in 135 instances.



### III. Heart Disease

Of the 8,728 students examined, 104 were found to have cardiac abnormalities. These have been kept under observation, have been repeatedly examined, and have been excused from physical education where the condition was marked or assigned to a program of adapted exercise which will protect them against undue strain.

### IV. Tuberculosis

During the year, 57 students requested tuberculin tests, of which approximately 30 per cent were positive. The percentage of positive reactors is about what should be expected in a group of the age, environmental background, and composition of Illinois students. Those who reacted positively have been urged to have roentgenograms of their chests to establish, as far as possible, the extent and nature of their infection and to have a record for comparison with future X-ray films.

### V. Mental Hygiene

During the year 1945-46, the Health Service had the part-time services of Dr. Richard L. Jenkins, a psychiatrist, as consultant in Mental Hygiene. This service was established on a one-fifth time basis on April 15, 1945. Until March 15, 1946, these services were continued on a one-fifth time basis. Thereafter, they were half-time. One hundred twenty-six students and staff members of the University have conferred with him on a wide variety of problems.

"The number of appointments per case has varied from one to twenty. The most common problem for which consultation has been sought has been chronic anxiety. Of course, the intensity of the anxiety varies from case to case, as do its causes. In some cases, the anxiety is provoked by difficulties in adjusting to the University. In other cases, it



is related primarily or entirely to problems within the personal life of the student. In some cases, it is a residual of combat fatigue or other war-occasioned anxiety state in returned veterans. Many returning veterans are keenly desirous of getting through their University work as rapidly as possible and some are inclined to push their academic load with too little regard for their own need to become acclimated to the University. Consultation has been sought for many other psychoneurotic or personality problems. There have been a few instances of serious mental disorders."

(Dr. R. L. Jenkins)

#### COMMUNICABLE DISEASE

##### I. Students

The incidence of communicable disease in the student body showed an increase over last year; the total cases in 1945-46 were 226, and in 1944-45 there were 156.

TABLE II

Incidence of Communicable Disease in  
the Student Body for the Biennium 1944-46

	<u>1944-45</u>	<u>1945-46</u>
Chickenpox	2	12
Conjunctivitis, Acute	-	81
German Measles	8	7
Impetigo Contagiosa	2	28
Measles	30	1
Meningitis	2	-
Mumps	7	17
Poliomyelitis	1	-
Scabies	-	21
Scarlet Fever	15	6
Streptococcus Sore Throat	-	-
Vincent's Angina	89	53
Total	<u>156</u>	<u>226</u>





II. Faculty and Civil Service Employees

Occurrence of communicable diseases in the families of faculty members and Civil Service employees was reported to be as follows:

4 cases of chickenpox, 1 of measles, and 3 of scarlet fever.

VACCINATIONS AND IMMUNIZATIONS

Typhoid fever and smallpox vaccines were furnished free by the State Department of Health. These biologicals were used to immunize students, employees, and others who wished to serve food on University property.

TABLE III

Immunization for Communicable Diseases

<u>Disease</u>	<u>Number of Persons</u>
Smallpox	494
Typhoid fever	<u>337</u>
Total	831

COOPERATION WITH OTHER DEPARTMENTS

I. Military Science and Physical Education

A. Military Classification

During the year, 130 men were excused from Military permanently, and 15 men were excused temporarily.

B. Physical Education Classification

During the year, 6 men and 143 women were excused from Physical Education permanently, and 36 men and 308 women were deferred temporarily. The number of students who were assigned adapted exercise instead of Regular Physical Education was 967 men and 28 women. There were 13 women





transferred from one type of Regular Physical Education to another, and 7 men were re-assigned to Regular Physical Education.

Students suffering from certain forms of dermatitis, sinusitis, infection of the middle ear, or perforation of the ear drum were transferred from swimming to forms of exercise less likely to aggravate their condition. A total of 1,008 recommendations were made to change students from one type of Physical Education to another or for modification of the exercise they were taking.

#### INSTRUCTION IN HYGIENE

Compilation of the results of 2,196 questionnaires filled out by freshmen registered in Hygiene 2 and 5 revealed that only 103 teachers in hygiene in high schools attended by those students gave full-time instruction in health education. The greater percentage taught the subject as a "side line". The State of Illinois is still far behind in having its teaching of hygiene and sanitation of a quality comparable to their importance to the individual, to his community, and to the state.

The survey (see Appendix H) reveals, furthermore, that students who do not attend college do not receive sufficient training in high schools in personal health, nutrition, sanitation, the control of communicable disease, and healthful living to meet intelligently the demands of our highly complex society. The seriousness of this situation becomes apparent when we recall that 25 per cent of 18-year-old men are rejected for general military service. About 30 per cent of those graduating from high school attend institutions of higher learning, and that science can only be applied to the general welfare in a democracy by support of the people. This educational deficiency assumes the aspects of a menace in a



world where new records for rapid transportation are being made almost weekly and travel in the tropics is common-place.

### I. Proficiency Examination

A total of 56 students passed the proficiency test in Hygiene and received credit in the subject. Their distribution by colleges is given in Table IV.

TABLE IV.

Classification of Those Who Passed  
Hygiene 2 and 5 Proficiency Examinations  
by Colleges

Liberal Arts and Sciences	47
Engineering	4
Agriculture	2
Fine & Applied Arts	2
Commerce	1
Total	<u>56</u>

### II. Hygiene 2 and 5. Elementary Hygiene and Sanitation

The registration in elementary hygiene and sanitation is given in the table below.

TABLE V

<u>Period</u>	<u>Hygiene 2 Women</u>	<u>Hygiene 5 Men</u>	<u>Total</u>
Summer Session	38	102	140
First Semester	717	681	1398
Second Semester	<u>645</u>	<u>516</u>	<u>1161</u>
	1400	1299	2699

There were 2 sections the summer session, 14 sections the first semester, and 13 the second semester for men; and 1 section the summer session, 12 sections the first semester, and 12 the second semester for women.



### III. Hygiene 10, For Coaches and Teachers

The advanced course in hygiene for coaches, physical education majors, and teachers had a total registration for the year of 99 students.

### IV. Hygiene 16, For Occupational Therapy Students

A total of 14 students who were enrolled in the Occupational Therapy curriculum received instruction in Hygiene 16 during the past academic year.

### V. Hygiene X3, Extension Course

In cooperation with the Director of the University Extension Service, a correspondence course in Hygiene has been offered, which had a registration of 23 students. The quality of work presented by those taking it is most satisfactory. This training should better prepare them to protect themselves and their families and to function more intelligently as citizens interested in improving living conditions in their community.

## SANITATION

Immediate attention has been given to reports which have been received concerning the conditions of the swimming pools and water supply. The pools and drinking water of the University have been well supervised by an able Sanitary Engineer and maintained at a high level of sanitation.

## FIRST AID CABINETS

A total of 175 first-aid cabinets are being maintained in the various buildings on the campus. They are much used and are visited weekly or twice weekly, depending upon their location and use, to replace supplies needed.





## SPECIAL SERVICE AT UNIVERSITY EVENTS

It has been customary for a number of years for members of the Health Service Staff upon request to attend certain University functions in order to render emergency medical treatment if necessary. This service is given at the Physical Education Tournaments, Farm and Home Week Programs, Commencement Exercises, and certain sports events.

In cooperation with other departments, the offices of the Health Service were also made available in emergencies to guests of the University. Its facilities were offered to those attending Farm and Home Week, 4-H Club Conventions, and short courses given by the University.

## STATE LABORATORY SERVICE

Various laboratory services were given to students and Civil Service employees as a part of the routine work of the Health Service. In many instances, these tests were essential either in making effective the regulations of the University concerning foodhandlers or in diagnosing and controlling communicable disease. Bacteriological tests (see Table I) were made by the Branch Laboratory of the State Department of Health on specimens submitted by members of the medical staff of the Health Service. It is a pleasure to acknowledge our indebtedness to it.

## REQUESTS FOR INFORMATION

A total of 29 citizens of the State have requested information on various aspects of public health. Requests were also received for reprints of articles by members of the Department and for copies of forms used by the Health Service. Questionnaires from numerous sources have been many, varied, and often quite comprehensive. These forms of survey





seem to be increasing in popularity and in the demands they make upon the time of those requested to fill them out.

#### THE GENERAL PRACTITIONER AND THE HEALTH SERVICE

The Medical Staff of the Health Service has had the most helpful cooperation of local and family physicians in caring for students and injured employees. A total of 238 letters have been received concerning the physical conditions of students and employees who are or have been patients of these doctors.

#### HOSPITALIZATION

The number of students admitted to local hospitals during the academic year was 3,128. Of this number, 2,617 were sent to the hospital by local doctors, and 511 went directly from the Health Service Station. The 511 who were sent to the hospitals from the Health Service Station chose 59 different doctors to attend them.

Sickness insurance was available to all students during 1945-46 to cover both medical and hospital care, as a result of its cost being made a regular University fee.

##### I. The Student Body

The facilities of the McKinley Hospital are a great insurance for the student body. A total of 2,794 students were admitted to the Hospital for 9,673 days, an average of 3.46 days per patient.

Of all the students hospitalized, 89.3 per cent were admitted to McKinley Hospital and only 10.7 per cent to other hospitals.



From Table 6, it will be seen that 434 students were admitted to the McKinley for communicable disease and remained for a total of 1,577 days or an average stay of 3.63 days per patient. The common cold caused about nine-tenths of the cases and nearly 75 per cent of the hospital days. Mumps was second in incidence with 16 cases and 140 patient days. There were 5 cases of scarlet fever with a total of 70 hospital days. Four students were admitted because of influenza and remained a total of 25 days for an average of 6.25 days per case.

TABLE VI

Student Cases of Communicable  
Disease Cared for at  
McKinley Hospital

<u>Disease</u>	<u>Cases</u>	<u>Days</u>
Chickenpox	6	70
Coryza	387	1173
German Measles	9	58
Influenza	4	25
Measles	5	36
Mumps	16	148
Scarlet Fever	5	70
Vincent's Angina	2	5
Total	<u>434</u>	<u>1577</u>

## II. Civil Service Employees

During the year, University employees suffered 304 accidents in the line of duty. It was necessary to have 34 roentgenograms made in order to determine the presence or absence of bone injury. Of those injured 210 required only minor surgical attention and 94 were referred to outside surgeons or specialists for prolonged treatment. It was necessary to hospitalize 20 employees.



### III. Local Hospitals

There were 47 students admitted to the Mercy Hospital for a total of 193 days, an average stay of 4.11; to the Burnham Hospital 146 for 579 days or 3.96 per student. Students who enter the local hospitals usually do so for surgical treatment and, therefore, remain longer on the average than in the McKinley Hospital.



APPENDIX A

TYPES OF MEDICAL ATTENTION TO STUDENTS AND EMPLOYEES





TABLE V

## CASES CARED FOR AT MCKINLEY HOSPITAL

	Communicable		Non-Communicable		Total	
	Cases	Days	Cases	Days	Cases	Days
July	11	46	66	233	77	279
August	1	36	62	226	63	262
September	1	3	87	277	88	280
October	8	29	250	1023	258	1052
November	47	218	268	713	315	931
December	279	1133	167	601	446	1734
January	25	126	213	631	238	757
February	6	82	120	549	126	631
March	23	133	266	759	289	892
April	13	90	310	877	323	967
May	17	72	340	1084	357	1156
June	10	86	204	646	214	732
Totals	<u>441</u>	<u>2054</u>	<u>2353</u>	<u>7619</u>	<u>2794</u>	<u>9673</u>

TABLE VI

## AVERAGE HOSPITAL STAY

Percentage of Students Using Hospitals (McKinley, Burnham, Mercy)

<u>Year</u>	<u>Average Hospital Stay</u>	<u>Per cent of Students Using Hospitals</u>
1940-41	3.42	27.30
1941-42	3.51	25.50
1942-43	3.68	23.80
1943-44	3.30	35.40
1944-45	3.52	38.98
1945-46	3.50	17.98



TABLE III

## CLASSIFICATION OF INJURIES TO CIVIL SERVICE EMPLOYEES FOR FIVE YEARS

	<u>1941-42</u>	<u>1942-43</u>	<u>1943-44</u>	<u>1944-45</u>	<u>1945-46</u>
Abrasions	9	8	8	4	8
Bites	1	-	-	-	1
Blisters	1	-	-	2	2
Bruise	1	-	2	6	4
Burns, acid	-	1	-	1	1
others	18	8	23	-	11
Contusions	17	31	49	8	15
Nail Wounds	-	-	-	-	1
Foreign body, removed	11	14	-	5	4
Fractures	3	-	1	-	-
Incisions	-	4	17	2	8
Infections	15	8	18	9	5
Injuries	14	14	19	4	3
Lacerations	30	33	21	11	15
Pain	1	-	-	-	-
Puncture Wound	8	1	3	-	1
Sprain and strain	13	19	23	7	12
Wound	1	9	-	1	8
Miscellaneous	1	3	-	-	-

TABLE IV

## LABORATORY EXAMINATIONS

	<u>Positive</u>	<u>Negative</u>	<u>Total</u>
Urinalyses	264	9519	9873
Kahn test for syphilis	10	1342	1352
Bacteriological examinations of excreta	-	427	427
Throat cultures, diphtheria	-	8	8
Urethral smears	-	34	34
Smear, Vincent's Angina	121	106	227
Streptococci	3	2	5
Sputum for tuberculosis	3	2	5
X-ray examinations	2	880	882
Agglutination tests for undulant fever	-	1	1
Malaria blood smears	-	15	15



TABLE V

## CASES CARED FOR AT MCKINLEY HOSPITAL

	Communicable		Non-Communicable		Total	
	Cases	Days	Cases	Days	Cases	Days
July	11	46	66	233	77	279
August	1	36	61	190	62	226
September	1	3	87	277	88	280
October	8	29	250	1023	258	1052
November	47	218	268	713	315	931
December	279	1133	167	601	446	1734
January	25	126	213	631	238	757
February	6	82	120	549	126	631
March	23	133	266	759	289	892
April	13	90	310	877	323	967
May	17	72	340	1084	357	1156
June	10	86	204	518	214	604
Totals	441	2054	2352	7455	2793	9509

TABLE VI

## AVERAGE HOSPITAL STAY

## Percentage of Students Using Hospitals

<u>Year</u>	<u>Average Hospital Stay</u>	<u>Per cent of Students Using Hospitals</u>
1940-41	3.42	27.3
1941-42	3.51	25.5
1942-43	3.68	23.8
1943-44	3.3	35.4
1944-45	3.52	38.98
1945-46	3.65	18.69



TABLE VII

## COMMUNICABLE DISEASES CARED FOR AT MCKINLEY HOSPITAL

	1943-1944		1944-1945		1945-1946	
	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>
Angina	5	20	1	4	2	22
Chickenpox	4	31	2	30	10	82
Diphtheria	-	-	-	-	-	-
Influenza	2	6	4	7	4	25
La grippe	203	765	56	174	351	1515
Malaria	-	-	-	-	10	21
Measles	59	328	9	159	5	36
Mumps	16	145	6	59	17	175
Pneumonia	9	112	1	17	8	138
Scarlet fever	45	572	16	324	5	70
German measles	11	142	1	6	9	58
Totals	<u>354</u>	<u>2121</u>	<u>96</u>	<u>780</u>	<u>421</u>	<u>2142</u>

TABLE VIII

## ELEMENTARY HYGIENE

	<u>Number of Students</u>	<u>Number of Sections</u>
Hygiene II		
Women, First Semester	717	12
Women, Second Semester	645	12
Hygiene V		
Men, First Semester	681	14
Men, Second Semester	516	13

## ADVANCED HYGIENE

	<u>Number of Students</u>	<u>Number of Sections</u>
Hygiene X		
Second Semester	99	1





TABLE VIII (Continued)

## HYGIENE FOR OCCUPATIONAL THERAPY STUDENTS

	<u>Number of Students</u>	<u>Number of Sections</u>
Hygiene XVI		
Women, Second Semester	14	1

## HYGIENE EXTENSION

	<u>Number of Students</u>	<u>Number of Sections</u>
Hygiene X3		
Men, First Semester	20	1
Men, Second Semester	23	1



Table IX

## FAMILY HISTORY OF INHERITABLE DISEASES

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Apoplexy	.22	.69	10	.16	13	.49	23	.26
Cancer	6.47	7.56	364	5.97	342	12.99	706	8.09
Goiter	2.12	2.07	89	1.46	109	4.14	198	2.27
Mental								
Disturbances	.61	1.07	16	.26	19	.72	35	.40
Diabetes	4.65	5.64	196	3.22	221	8.39	417	4.78
Kidney Disease	1.30	2.99	36	.59	49	1.86	85	.97
Epilepsy	.35	.88	8	.13	12	.46	20	.23
Tuberculosis	3.04	6.44	170	2.78	178	6.76	348	3.99

Table X

## INJURIES

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Head	5.69	.81	207	3.40	36	1.37	243	2.79
Chest	2.51	.08	55	.90	5	.19	60	.69
Abdomen	.52	.23	12	.20	10	.38	22	.25
Arm	12.51	4.33	513	8.42	148	5.62	661	7.57
Leg	8.81	1.53	372	6.10	108	4.10	480	5.50
Others	4.17	5.60	469	7.69	68	2.20	537	6.15

Table XI

## OPERATIONS

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women			
	%	%	No.	%	No.	%	No.	%
Head								
Tonsils	47.20	46.53	1684	27.63	1072	40.71	2756	31.58
Adenoids	12.29	3.57	233	3.82	135	5.13	368	4.22
Others	4.95	1.73	224	3.68	90	3.41	314	3.60
Chest	.22	.27	11	.18	1	.04	12	.14
Abdomen	10.68	12.39	632	10.37	316	12.00	948	10.86
Circumcision	.43	-	17	.28	-	-	17	.19
Others	8.64	3.22	620	10.17	83	3.15	703	8.05



APPENDIX B  
MEDICAL HISTORY

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Table XII

## USE OF TEA, COFFEE, AND TOBACCO

	Class of 1948		Class of 1949					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Tea	38.08	48.25	1644	26.97	1113	42.27	2757	31.59
Coffee	28.83	39.70	3749	61.51	1440	54.69	5189	59.45
Tobacco	39.86	30.30	3406	55.88	909	34.52	4315	49.44
None of 3	23.14	22.13	2024	33.21	547	20.77	2571	29.46

Table XIII

## SLEEPING HABITS

	Class of 1948		Class of 1949					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Under 6 hrs.	.61	.69	31	.51	28	1.06	59	.68
6 to 7 hrs.	13.93	21.74	1002	16.44	620	23.55	1622	18.58
8 to 9 hrs.	81.39	73.64	4806	78.85	1897	72.05	6703	76.8
10 hrs. and over	4.69	3.91	256	4.2	78	2.96	534	6.12

Table XIV

## STUDENTS GIVING HISTORIES OF TYPHOID FEVER

Class of 1936	2.21	Class of 1943	.94
Class of 1937	2.28	Class of 1944	.77
Class of 1938	2.57	Class of 1945	1.08
Class of 1939	1.46	Class of 1946	.77
Class of 1940	1.14	Class of 1947	.37
Class of 1941	.69	Class of 1948	.57
Class of 1942	.94	Class of 1949	.33





Table XV

RELATIVE OCCURRENCE OF CERTAIN DISEASES IN HISTORIES OF THE CLASS  
OF 1949

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Appendicitis	11.13	15.11	721	11.83	394	14.96	1115	12.77
Asthma	6.20	1.92	159	2.61	65	2.47	224	2.57
Chickenpox	57.97	68.08	2853	46.81	1832	69.57	4685	53.68
Chorea	.13	.03	9	.15	6	.23	15	.17
Constipation	1.48	4.56	55	.9	121	4.6	176	2.02
Diabetes	.91	1.57	16	.26	3	.11	19	.22
Diphtheria	3.39	3.64	171	2.81	71	2.7	242	2.77
Discharging Ear	6.73	5.98	329	5.4	149	5.66	478	5.48
Dysentery	1.21	.84	237	3.89	20	.76	257	2.94
Epilepsy	.13	.08	8	.13	-	-	8	.09
Heart Trouble	6.08	2.68	178	2.92	51	1.94	229	2.62
Hay Fever	8.94	6.71	339	5.56	346	13.14	685	7.85
Hernia (rupture)	4.73	.43	240	3.94	17	.65	257	2.94
Infantile								
Paralysis	8.69	.76	38	.62	16	.61	54	.62
Influenza	12.46	17.91	643	10.55	423	16.06	1066	12.21
Kidney Trouble	1.69	3.14	93	1.53	91	3.46	184	2.11
Malaria	2.69	1.38	252	4.13	34	1.29	286	3.28
Measles	80.28	84.43	3834	62.90	2269	86.18	6103	69.92
German Measles	25.49	34.75	2185	35.85	997	37.87	3182	36.46
Meningitis	.26	.38	33	.54	8	.30	41	.47
Mumps	55.32	53.89	2859	46.91	1455	55.26	4314	49.43
Nervous Breakdown	1.22	.50	46	.75	17	.65	63	.72
Pleurisy	1.52	1.57	85	1.39	43	1.63	128	1.46
Pneumonia	10.86	9.32	601	9.86	363	13.79	964	11.04
Rheumatism	1.43	2.22	113	1.85	75	2.85	188	2.15
Scarlet fever	20.10	21.21	1122	18.41	1098	41.70	2220	25.44
Sinusitis	5.37	5.64	276	4.53	171	6.49	447	5.12
Smallpox	4.65	3.14	296	4.86	82	3.11	378	4.33
Tonsillitis	27.53	2.66	1314	21.56	837	31.79	2151	24.64
Trachoma	-	.08	11	.18	1	.04	12	.14
Tuberculosis	.65	.31	22	.36	13	.49	35	.40
Typhoid Fever	.91	.27	38	.62	12	.46	50	.57
Undulant Fever	.48	.31	12	.2	8	.30	20	.23
Whooping Cough	44.94	57.46	2083	34.18	1539	58.45	3622	41.50
Others	3.26	2.19	134	2.2	100	3.9	234	2.68
IMMUNIZATIONS:								
Diphtheria	52.71	48.03	4989	81.85	1348	51.2	6337	72.61
Scarlet fever	30.57	24.01	4474	73.40	700	26.59	5174	59.28
Smallpox	79.46	59.76	5900	96.80	1314	49.90	7214	82.65
Typhoid Fever	36.26	19.87	4902	80.43	615	23.36	5517	63.21
TESTS:								
Schick	35.17	36.40	4632	76.00	1142	43.37	5774	66.15
Dick	21.97	18.91	4419	72.50	601	22.83	5020	57.78



Table XVI

## GENERAL DEVELOPMENT

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Excellent	2.13	2.46	17	.28	75	2.85	92	1.05
Good	93.61	91.10	5984	98.18	2357	89.51	8341	95.57
Fair	3.73	6.33	89	1.46	189	7.18	278	3.19
Poor	.52	.11	5	.08	9	.34	14	.16
BUILD:								
Stocky	9.51	10.66	287	4.71	258	9.79	545	6.24
Medium	78.81	65.06	5407	88.71	1618	61.45	7025	80.49
Slender	11.68	24.28	401	6.58	757	28.75	1158	13.26

Table XVII

## COLOR OF EYES

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Blue	19.88	33.94	2550	41.84	963	36.57	3513	40.25
Gray	8.90	4.68	239	3.92	82	3.11	321	3.68
Greenish	5.56	11.39	494	8.11	253	9.61	747	8.56
Hazel	12.98	15.03	875	13.04	293	11.13	1168	13.38
Brown	51.19	34.44	2301	37.75	1009	38.32	3310	38.92
Black	1.04	.49	56	.92	13	.49	69	.79

Table XVIII

## COLOR OF HAIR

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Flaxen	4.65	10.66	192	3.15	252	9.57	444	5.09
Reddish	2.82	5.68	148	2.43	106	4.03	254	2.91
Light Brown	16.98	25.97	1421	23.31	559	21.23	1980	22.69
Brown	25.88	27.42	2585	42.41	1256	47.70	3841	44.01
Dark Brown	34.91	21.86	1175	19.28	732	27.80	1907	21.85
Black	14.76	8.40	606	9.94	167	6.34	773	8.86



TABLE XIX

## TEETH

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Cavities	3.47	6.33	81	1.33	1090	41.4	1171	13.42
Absent	43.81	24.78	4141	67.94	974	36.99	5115	58.60
Need Cleaning	.56	25.70	4	.07	71	2.7	75	.86
Diseased gums	.04	.54	1	.02	11	.42	12	.14
No cavities, none absent	30.22	63.68	1858	30.48	951	36.12	2809	32.18
Teeth devitalized	.26	.31	1	.02	22	.83	23	.26

TABLE XX

## ABNORMALITIES OF THE HEART

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Abnormalities	2.78	.11	54	.89	50	1.90	104	1.19
Irregular pulse	.39	.81	3	.05	10	.38	13	.15

TABLE XXI

## THYROID ENLARGEMENT

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Enlarged								
Slight	.17	1.84	1	.02	147	5.59	148	1.7
Moderate	.05	.65	3	.05	16	.61	19	.22
Marked	.05	.04	0	-	3	.11	3	.03
Evidence of Toxicity	.17	.34	4	.07	5	.19	9	.10







TABLE XXII  
CHEST AND LUNGS

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Lungs, abnormal	.17	-	11	.18	26	.99	37	.43
Chest								
Flat	1.91	3.38	40	.66	73	2.77	113	1.29
Funnel	.43	1.76	9	.15	72	2.73	81	.93
Pigeon	.48	.61	-	-	90	3.42	90	1.03

TABLE XXIII

CONDITION OF ABDOMINAL WALLS

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Abnormal	.22	.27	12	.2	14	.53	26	.3
Hernia	.48	.31	31	.51	12	.46	43	.49

TABLE XXIV

INCIDENCE OF ENLARGED LYMPH GLANDS

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Epitrochlear	.13	-	-	-	15	.57	15	.17
Axillary	.39	-	-	-	27	1.03	27	.31
Cervical	.96	-	1	.02	113	4.29	114	1.31
Inguinal	.83	-	41	.67	46	1.75	87	.1

TABLE XXV

HERNIA IN MEN

Class of 1936	1.71	Class of 1943	.90
Class of 1937	1.19	Class of 1944	.69
Class of 1938	1.16	Class of 1945	.76
Class of 1939	.76	Class of 1946	.73
Class of 1940	.70	Class of 1947	2.11
Class of 1941	1.20	Class of 1948	.48
Class of 1942	1.20	Class of 1949	3.94



TABLE XXVI

## GENITO-URINARY ORGANS

	Class of 1948		Class of 1949	
	%		No.	%
Testes Abnormal	.26		17	.28
Circumcision	50.15		2967	48.68

TABLE XXVII

## CRYPTORCHIDISM

Class of 1936	.28	Class of 1943	.83
Class of 1937	.32	Class of 1944	.67
Class of 1938	.43	Class of 1945	2.55
Class of 1939	.03	Class of 1946	.40
Class of 1940	.29	Class of 1947	.44
Class of 1941	.18	Class of 1948	.26
Class of 1942	.18	Class of 1949	.28

TABLE XXVIII

## URINALYSIS

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Acid	85.97	69.78	5187	85.10	2112	80.21	7299	83.63
Alkaline	13.25	24.34	908	14.9	242	9.19	1150	13.18
Neutral	.78	5.79	-	-	-	-	-	-
Sugar	.74	.88	26	.43	27	1.03	53	.61
Albumin	1.26	1.23	110	1.80	101	3.84	211	2.42



TABLE XXIX

## GLYCOSURIA AND ALBUMINURIA OVER A PERIOD OF YEARS

	Sugar		Albumin	
	Men	Women	Men	Women
	%	%	%	%
Class of 1936	.52	1.19	6.70	2.87
Class of 1937	.52	-	4.97	1.15
Class of 1938	.86	2.13	4.59	3.66
Class of 1939	.42	.59	4.94	4.69
Class of 1940	.43	.78	6.06	2.47
Class of 1941	.13	4.81	3.74	6.24
Class of 1942	.11	1.38	1.42	4.51
Class of 1943	-	.37	.09	.97
Class of 1944	.40	1.81	3.65	4.95
Class of 1945	.31	.22	2.62	6.00
Class of 1946	.84	-	5.41	1.50
Class of 1947	1.20	1.54	1.88	2.52
Class of 1948	.74	.88	1.26	1.23
Class of 1949	.43	1.02	1.80	3.87

TABLE XXX

## FOOT ABNORMALITIES

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Long Arches								
1st Degree	6.56	24.51	175	2.87	647	24.57	822	9.42
2nd Degree	6.90	16.22	233	3.82	266	10.10	499	5.72
3rd Degree	2.04	3.03	59	.97	199	7.56	258	2.96
Anterior Arches flat	12.72	36.86	281	4.61	837	31.79	1118	12.81
Abnormalities of feet	.21	.08	2	.03	-	-	2	.02



TABLE XXXI

## FOOT ABNORMALITIES OVER A PERIOD OF YEARS

	Long Arches						Anterior Arches Flat	
	1st Degree		2nd Degree		3rd Degree		Men	Women
	Men	Women	Men	Women	Men	Women		
	%	%	%	%	%	%	%	
Class of 1939	11.92	32.16	5.52	7.03	2.46	1.98	14.47	7.47
Class of 1940	7.84	27.83	2.26	9.95	1.08	2.08	10.29	29.01
Class of 1941	10.49	25.39	5.40	12.76	1.39	4.60	10.28	34.89
Class of 1942	9.92	27.21	5.49	10.94	1.62	2.70	9.78	2.96
Class of 1943	9.04	23.52	6.39	13.76	1.29	4.36	7.46	35.50
Class of 1944	12.55	25.03	10.12	12.62	1.73	4.95	14.97	32.07
Class of 1945	13.92	23.85	7.70	8.59	2.12	6.67	16.42	34.00
Class of 1946	11.69	28.24	5.64	9.79	.78	7.90	10.79	30.60
Class of 1947	14.33	35.26	10.11	8.57	1.73	1.79	16.83	39.98
Class of 1948	6.56	24.51	6.90	16.22	2.04	3.03	12.72	36.86
Class of 1949	3.41	24.57	3.82	10.10	1.13	7.56	4.61	32.17

TABLE XXXII

## SPINE ABNORMALITIES

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%		
Kyphosis	.69	.77	13	.21	52	1.97	65	.74
Lordosis	.13	.92	5	.08	76	2.89	81	.93
Scoliosis	.39	4.83	17	.28	262	9.95	279	3.20

TABLE XXXIII

## NOSE ABNORMALITIES

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%		
Spur	.35	.42	13	.21	4	.15	17	.19
Deviated Septum	1.74	4.37	11	.18	356	13.52	367	4.20
Atrophied	.35	2.34	2	.03	-	-	2	.02
Hypertrophy	.04	-	5	.08	475	18.04	480	5.50







TABLE XXXIV

## THROAT ABNORMALITIES

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
TONSILS:								
Removed	60.23	55.96	3547	58.20	1650	62.67	5197	59.54
Tags	.91	6.90	33	.54	275	10.44	308	3.53
Pathological	.73	8.98	28	.46	314	11.93	342	3.92

TABLE XXXV

## PERCENTAGE OF STUDENTS WITH TONSILS REMOVED OVER A PERIOD OF YEARS

	Men	Women		Men	Women
Class of 1936	44.00	50.10	Class of 1943	48.55	46.52
Class of 1937	45.30	52.10	Class of 1944	57.10	64.01
Class of 1938	52.19	57.19	Class of 1945	54.97	63.11
Class of 1939	49.20	56.26	Class of 1946	55.81	62.33
Class of 1940	46.59	57.54	Class of 1947	65.43	54.93
Class of 1941	51.51	59.71	Class of 1948	60.23	55.96
Class of 1942	50.00	59.62	Class of 1949	58.20	62.67

TABLE XXXVI

## EARS

	Class of 1948		Class of 1949				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Perforated	3.26	.46	33	.54	36	1.37	69	.79
Cerumen	18.76	17.19	172	2.82	599	22.75	871	9.98
Hearing abnormal	.91	3.07	44	.72	18	.68	62	.71



TABLE XXXVII

	EYES							
	Class of 1948				Class of 1949			
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormal								
Color vision	.56	.11	13	.21	1	.04	14	.16
Refraction								
O. D. only	12.20	4.64	155	2.54	150	5.69	305	3.49
O. S. only	12.25	3.26	226	3.71	129	4.90	355	4.07
O.D. & O.S.	26.70	21.98	460	7.55	769	29.20	1229	14.08
Corrected								
with glasses	11.89	23.93	1022	16.77	627	23.81	1649	18.89

TABLE XXXVIII

	POSTURE							
	Class of 1948				Class of 1949			
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Restricted								
flexibility	.99	2.99	4	.07	65	2.47	69	.79
Excellent	2.61	1.65	4	.07	143	5.43	147	1.68
Good	93.70	85.42	5215	85.56	1977	75.09	7192	82.40
Fair	3.22	9.89	67	1.10	551	20.93	618	7.08
Poor	.48	3.03	9	.15	43	1.63	52	.60

TABLE XXXIX

## INCIDENCE OF HISTORY OF VENEREAL DISEASE

	Men		Women		Total	
	No.	%	No.	%	No.	%
Gonorrhoea	2	.03	-	-	2	.02
Syphilis	-	-	-	-	-	-



TABLE XL  
INCIDENCE OF VACCINATION SCARS

	Class of 1949		<u>Total</u>
	<u>Men</u>	<u>Women</u>	
Arm	5860	1564	7424
Leg	40	668	708
None	195	401	596

TABLE XLI  
SKIN DISEASES

	<u>Men</u>		Class of 1949		<u>Women</u>		<u>Total</u>	
	No.	%	No.	%	No.	%	No.	%
Acne	57	.94	532	20.21	589	6.75		
Mycosis	26	.43	251	9.53	257	2.94		
Others	14	.23	8	.30	42	.48		

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1890  
1891  
1892  
1893  
1894  
1895  
1896  
1897  
1898  
1899  
1900

APPENDIX C  
SUMMARY OF MEDICAL HISTORIES





TABLE I  
SUMMARY OF MEDICAL HISTORIES

	<u>Men</u>	<u>Women</u>	<u>Class of '49 Total</u>	<u>Class of '48 Total</u>
Total number examined	6095	2633	8728	4910
Inheritable disease				
Apoplexy (family history)	10	13	23	23
Cancer ( " " )	364	342	706	346
Goiter ( " " )	89	109	198	103
Mental disturbances				
(family history)	16	21	35	42
Diabetes ( " " )	196	221	417	154
Epilepsy ( " " )	8	12	20	31
Kidney disease				
( " " )	36	49	85	108
Tuberculosis				
( " " )	170	178	348	238
Birthplace				
Illinois	4154	1963	6117	3502
Elsewhere	1941	670	2611	1408
Work for self-support				
during college	1295	687	1982	1069
Use laxatives frequently	5	125	130	112
Sleep				
Under 6 hours	31	28	59	32
6-7 hours	1002	620	1622	878
8-9 hours	4797	1897	6694	3793
10 hours and over	265	78	343	210
Habits				
Coffee	3749	1440	5189	2034
Tea	1644	1113	2757	1699
Tobacco	3406	909	4315	1708
None of the three	2024	547	2571	1121
Age started smoking				
Younger than 10 years	6	-	6	9
10-14 years	77	13	90	59
15-19 years	2573	799	3372	1492
20-24 years	767	75	842	131
25 years and over	60	17	77	21
Meals per day				
One	3	1	4	-
Two	161	146	307	218
Three	5890	2374	8264	2652
More than three	41	11	52	43
Weight the past year				
Gained	2164	626	2790	1553
Lost	512	484	996	622
Stationary	3419	1523	4942	2735
Easily fatigued	396	447	843	613



TABLE I (Continued)

	<u>Men</u>	<u>Women</u>	<u>Class of '49 Total</u>	<u>Class of '48 Total</u>
Subject to frequent colds in				
Nose	792	631	1423	733
Throat	252	370	622	386
Lungs	76	85	161	129
When reading, bothered with				
Headaches	237	245	482	343
Blurring of vision	197	152	349	229
Burning of eyes	279	118	397	204
Squinting of eyes	118	345	463	138
Watering of eyes	182	119	301	221
Twitching of eyes	96	79	175	119
Persistently worry	60	178	238	194
Have the "blues"	58	257	315	283
Injuries				
Head	207	36	243	152
Chest	55	5	60	60
Abdomen	12	10	22	18
Arm	513	148	661	401
Leg	372	108	480	243
Others	469	68	537	242
Operations				
Head				
Tonsils	1684	1072	2756	2300
Adenoids	233	135	368	376
Others	224	90	314	159
Chest	11	1	12	12
Abdomen	632	316	948	569
Circumcision	17		17	10
Others	620	83	703	283
Arches of feet painful	42	82	124	129
Possible reasons for not taking				
Physical Education	4514	179	4693	708
Military Science	4506		4506	771
Diseases had				
Appendicitis	721	394	1115	656
Asthma	159	65	224	193
Chickenpox	2853	1832	4685	2110
Chorea	9	6	15	4
Constipation	55	121	176	153
Diabetes	16	3	19	62
Diphtheria	171	71	242	173
Discharging ear	329	149	478	311
Dysentery	237	20	257	50
Epilepsy	8	-	8	5
Heart trouble	178	51	229	210
Hay fever	339	180	519	381
Hernia	240	17	257	123
Infantile paralysis	38	16	54	40



TABLE I (Continued)

	<u>Men</u>	<u>Women</u>	<u>Class of '49 Total</u>	<u>Class of '48 Total</u>
Influenza	643	423	1066	754
Kidney trouble	93	91	184	121
Malaria	252	34	286	98
Measles	3834	2269	6103	4076
German measles	2185	987	3172	1493
Meningitis	33	8	41	16
Mumps	2859	1455	4314	2679
Nervous breakdown	46	17	63	40
Pleurisy	85	43	128	76
Pneumonia	601	363	964	493
Rheumatism	113	75	188	101
Scarlet fever	1122	581	1703	1016
Sinusitis	276	171	447	271
Smallpox	296	82	378	189
Tonsillitis	1314	837	2151	1327
Trachoma	11	1	12	2
Tuberculosis	22	13	35	23
Typhoid fever	38	12	50	28
Undulant fever	12	8	20	19
Whooping cough	2083	1539	3622	2533
Others	134	100	234	132
Immunizations				
Diphtheria	4989	1348	6337	2466
Scarlet fever	4474	700	5174	1330
Smallpox	5900	1314	7214	3388
Typhoid fever	4902	615	5517	1353
Tests				
Schick	4623	1142	5765	1759
Dick	4419	601	5020	999

TABLE II

## SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Class of '49 Total</u>	<u>Class of '48 Total</u>
Color of hair				
Flaxen	192	252	444	385
Reddish	148	106	254	213
Light brown	1401	459	1860	1068
Dark brown	1175	632	1807	1374
Brown	2573	1016	3589	1311
Black	606	167	773	559
Gray	-	1	1	-





TABLE II (Continued)

	<u>Men</u>	<u>Women</u>	<u>Class of '49 Total</u>	<u>Class of '48 Total</u>
Color of eyes				
Black	56	13	69	47
Blue	2550	963	3513	1343
Gray	359	102	461	327
Greenish	194	253	447	395
Hazel	635	293	928	691
Brown	2301	1009	3310	2077
Vision abnormal without glasses				
Both eyes	460	769	1229	1188
Right eye (O. D.)	155	150	305	402
Left eye (O. S.)	226	129	355	367
Corrected with glasses	1022	627	1649	898
Color vision abnormal	13	1	14	16
Ears				
Right ear				
Cerumen	136	306	442	493
Perforated drum	17	20	37	44
Hearing abnormal	26	12	38	70
Left ear				
Cerumen	136	293	429	387
Perforated drum	16	16	32	43
Hearing abnormal	18	6	24	31
Nose				
Spur	13	4	17	19
Deviation	11	356	367	164
Chronic hypertrophy	5	475	480	69
Atrophy	1	-	1	1
Tonsils				
Removed	3547	1650	5197	2846
Tags	33	275	308	201
Pathological	28	314	342	251
Teeth				
No cavities or absent	1858	951	2809	2356
Cavities	81	1090	1171	245
Absent	4141	974	5115	1755
Need cleaning	4	71	75	683
Devitalized	1	22	23	14
Gums diseased	1	11	12	15
Weight				
Below 100 pounds		114	114	
100-115 pounds		648	648	
116-130 "		980	980	
131-145 "		578	578	
146-160 "		199	199	
161-175 "		61	61	
176-190 "		32	32	
191 and over		21	21	





TABLE II (Continued)

	<u>Men</u>	<u>Women</u>	<u>Class of '49</u> <u>Total</u>	<u>Class of '48</u> <u>Total</u>
<b>Height</b>				
Below 50 inches		23	23	
50-59 inclusive		244	244	
60-62 "	64	657	721	
63-65 "	272	1258	1530	
66-68 "	1648	558	2206	
69-71 "	2425	62	2487	
72 and over	1237	2	1239	
<b>Skin</b>				
Acne	57	532	589	728
Mycosis	26	251	277	178
Other skin diseases	14	8	22	24
<b>Vaccination scar</b>				
Arm	5860	1584	7444	3884
Leg	40	668	708	570
None	195	400	595	456
<b>General development</b>				
Excellent	17	75	92	113
Good	5984	2357	8341	4531
Fair	89	189	278	251
Poor	5	9	14	15
<b>Build</b>				
Stocky	287	258	545	497
Medium	5407	1618	7025	3511
Slender	401	757	1158	902
<b>Chest</b>				
Flat	40	73	113	142
Funnel	9	72	81	56
Pigeon	-	90	90	27
<b>Vertebral column</b>				
Kyphosis	13	52	65	36
Lordosis	5	76	81	27
Scoliosis	17	262	279	135
<b>Posture</b>				
Excellent	4	143	147	103
Good	6015	1977	7992	4385
Fair	67	551	618	1032
Poor	9	43	52	89
Restricted flexibility	4	65	69	101
<b>Lymph nodes</b>				
Axillary	-	27	27	9
Cervical	1	113	114	22
Epitrochlear	-	15	15	3
Inguinal	41	46	87	19
<b>Thyroid</b>				
<b>Enlarged</b>				
Slight	1	147	148	52
Moderate	3	16	19	18
Marked	-	3	3	2



TABLE II (Continued)

	<u>Men</u>	<u>Women</u>	<u>Class of '49</u> <u>Total</u>	<u>Class of '48</u> <u>Total</u>
Evidence of toxicity	4	5	9	13
Lungs, abnormal	11	26	37	4
Heart				
Abnormal	54	50	104	67
Irregular pulse	3	10	13	30
Abdomen, abnormal	12	14	26	12
Reflexes				
Patellar	1	33	34	4
Romberg	-	1	1	2
Pupillary	-	2	2	1
Penis, circumcised	2967	-	2967	1155
Testes, abnormal	17	-	17	6
Hernia, present	31	12	43	19
Hemorrhoids, present	4	14	18	23
Varicocele, present	11	-	11	28
Flat feet				
Long arches				
First degree	208	647	855	790
Second degree	233	266	499	582
Third degree	59	199	258	126
Anterior arches flat	281	847	1128	1254
Abnormalities	2	-	2	7
Had venereal disease				
Gonorrhoea	2	-	2	1
Syphilis	-	-	-	1
Chancroid	-	-	-	-
Obvious defects				
Amputations	35	-	35	9
Atrophies	6	2	8	7
Unusual scars	593	108	701	199
Deformities	19	30	49	46
Urine				
Acid	5187	2112	7299	2799
Alkaline	908	242	1150	942
Neutral	-	-	-	169
Albumin				
Persistent	55	21	76	18
Transitory	32	21	53	27
Unclassified	23	59	82	16
Sugar				
Persistent	10	-	10	12
Transitory	11	2	13	13
Unclassified	5	25	30	15
Menses				
Regular		2084	2084	2142
Irregular		546	546	462
Not started		3	3	3
Pain: Severe		308	308	432
Slight		1187	1187	1081



APPENDIX D  
SUMMARY OF MEDICAL HISTORIES DIVIDED BY  
OUT OF STATE - RURAL - URBAN



TABLE I  
SUMMARY OF MEDICAL HISTORIES

	Out of State		Rural		Urban		Total		Class of '48
	Men	Women	Men	Women	Men	Women	Men	Women	
Total number examined	852	226	756	953	4487	1454	6095	2633	4910
Total number re-examined									
Inheritable diseases									
Apoplexy (family history)	4	3	1	7	5	3	10	13	23
Cancer ( " " )	42	28	27	144	295	170	364	342	346
Goiter ( " " )	12	6	7	43	70	60	89	109	103
Mental disturbances									
(family history)	2	2	0	8	14	11	16	19	42
Diabetes ( " " )	15	13	15	85	166	123	196	221	254
Epilepsy ( " " )	0	0	0	1	8	11	8	12	31
Kidney disease									
(family history)	8	6	1	21	27	22	36	49	108
Tuberculosis									
(family history)	14	13	22	66	134	99	170	178	238
Birthplace									
Illinois	43	8	626	773	3485	1182	4154	1963	3502
Elsewhere	809	218	130	180	1002	272	1941	670	1408
Work for self-support									
during college	174	53	165	254	956	380	1295	687	1069
Use laxatives frequently	0	10	0	51	5	64	5	125	112
Sleep									
Under 6 hours	1	3	10	14	20	11	31	28	32
6-7 hours	156	60	116	214	730	346	1002	620	878
8-9 hours	682	150	603	695	3521	1052	4806	1897	3793
10 hours and over	13	3	27	30	225	45	265	78	210
Habits									
Coffee	515	136	480	536	2754	768	3749	1440	2134
Tea	263	114	191	388	1190	611	1644	1113	1699
Tobacco	472	80	374	289	2560	540	3406	909	1708
None of the three	165	30	157	233	1702	284	2024	547	1121
Age started smoking									
Younger than 10 years	0	0	1	0	5	0	6	0	9
10-14 years	7	1	15	2	55	10	77	13	59
15-19 years	314	57	246	261	1936	481	2496	799	1492
20-24 years	130	17	108	21	529	37	767	75	131
25 years and over	21	4	4	5	35	8	60	17	21
Meals per day									
One	0	1	0	0	3	0	3	1	
Two	28	12	13	53	120	81	161	146	218
Three	816	210	743	897	4331	1267	5890	2374	4652
More than three	8	3	0	2	33	6	41	11	43
Weight the past year									
Gained	254	39	252	255	1658	332	2164	626	1553
Lost	63	36	53	175	396	273	512	484	622
Stationary	535	151	451	523	2433	849	3419	1523	2735





TABLE I (Continued)

	Out of State		Rural		Urban		Total		Class of '48
	Men	Women	Men	Women	Men	Women	Men	Women	
Easily fatigued	38	25	17	181	341	241	396	447	613
Subject to frequent colds in									
Nose	67	40	79	316	646	275	792	631	733
Throat	36	19	21	114	195	237	252	370	386
Lungs	7	9	3	35	66	41	76	85	129
When reading, bothered with									
Headaches	32	8	27	107	178	130	237	245	343
Blurring of vision	27	9	30	68	140	75	197	152	229
Squinting of eyes	8	9	16	42	94	67	118	118	138
Burning of eyes	26	13	36	103	217	229	279	345	204
Watering of eyes	24	5	21	41	137	73	182	119	221
Twitching of eyes	17	7	13	32	66	40	96	79	119
Persistently worry	4	11	1	71	55	96	60	178	194
Have the "blues"	0	22	1	89	57	146	58	257	283
Injuries									
Head	32	2	28	16	147	18	207	36	152
Chest	0	0	1	2	54	3	55	5	60
Abdomen	1	0	2	2	9	8	12	10	18
Arm	93	12	50	62	370	74	513	148	401
Leg	39	10	53	31	280	66	372	107	243
Others	42	8	36	30	391	30	469	68	242
Operations									
Head									
Tonsils	276	113	191	411	1217	548	1684	1072	2300
Adenoids	38	18	28	50	167	67	233	135	376
Others	29	8	30	39	165	53	224	90	159
Chest	0	0	1	1	10	0	11	1	12
Abdomen	88	26	78	118	466	172	632	316	569
Circumcision	1		0		16		17		10
Others	67	3	48	42	505	38	620	83	283
Arches of feet painful	2	5	0	39	40	38	42	82	129
Possible reasons for not taking Physical Ed.	682	5	549	67	3283	107	4514	179	708
Military Science	688		553		3265		4506		771
Diseases had									
Appendicitis	103	31	95	144	523	219	721	394	656
Asthma	20	9	20	21	119	35	159	65	193
Chickenpox	388	139	403	688	2062	1005	2853	1832	3110
Chorea	2	0	0	3	7	3	9	6	4
Constipation	11	11	6	40	38	70	55	121	153
Diabetes	2	0	2	1	12	2	16	3	62
Diphtheria	24	6	19	15	128	50	171	71	173
Discharging ear	46	13	44	54	239	82	329	149	311
Dysentery	33	5	19	3	185	12	237	20	50
Epilepsy	0	0	1	0	7	0	8	0	5
Heart trouble	21	5	18	20	139	26	178	51	210
Hay fever	43	18	30	62	266	100	339	180	381



TABLE I (Continued)

	Out of State		Rural		Urban		Total		Class of '48
	Men	Women	Men	Women	Men	Women	Men	Women	
Diseases had (cont.)									
Hernia	24	2	37	7	179	8	240	17	123
Infantile paralysis	6	1	8	3	24	12	38	16	40
Influenza	105	49	85	155	453	219	643	423	754
Kidney trouble	19	3	14	47	60	41	93	91	121
Malaria	56	4	28	13	168	17	252	34	98
Measles	522	181	573	837	2739	1251	3834	2269	4076
German measles	176	82	185	372	1824	543	2185	997	1493
Meningitis	3	0	2	2	28	6	33	8	16
Mumps	395	123	446	532	2018	800	2859	1455	2679
Nervous breakdown	10	2	4	5	32	10	46	17	40
Pleurisy	9	0	11	18	65	25	85	43	76
Pneumonia	77	38	76	158	448	167	601	363	493
Rheumatism	15	6	17	29	81	40	113	75	101
Scarlet fever	126	30	158	230	838	321	1122	581	1061
Sinusitis	44	10	38	65	194	96	276	171	271
Smallpox	52	6	37	29	207	47	296	82	189
Tonsillitis	191	65	152	281	971	491	1314	837	1327
Trachoma	4	0	2	1	5	0	11	1	4
Tuberculosis	5	2	4	6	13	5	22	13	23
Typhoid fever	12	3	8	2	18	7	38	12	28
Undulant fever	1	1	2	5	9	2	12	8	19
Whooping cough	301	136	278	589	1504	814	2083	1539	2533
Others	18	12	14	34	102	54	134	100	132
Immunizations									
Diphtheria	653	15	615	552	3721	781	4989	1348	2466
Scarlet fever	590	40	536	258	3348	402	4474	700	1330
Smallpox	833	171	698	671	4369	472	5900	1314	3388
Typhoid fever	646	92	583	220	3673	303	4902	615	1353
Tests									
Schick	599	78	486	460	3538	604	4623	1142	1759
Dick	550	27	490	238	3379	336	4419	601	999

TABLE II

## SUMMARY OF PHYSICAL EXAMINATIONS

	Out of State		Rural		Urban		Total		Class of '48
	Men	Women	Men	Women	Men	Women	Men	Women	
Color of hair									
Reddish	19	8	27	42	102	56	148	106	385
Flaxen	18	16	32	89	142	147	192	252	213
Light brown	187	52	183	170	1031	237	1401	459	1068
Dark brown	189	68	137	190	849	374	1175	632	1374
Brown	316	51	330	271	1927	694	2573	1016	1311
Black	123	17	47	51	436	99	606	167	559
Gray				1				1	-



TABLE II (Continued)

	Out of State		Rural		Urban		Total		Class of '48
	Men	Women	Men	Women	Men	Women	Men	Women	
Color of eyes									
Black	17	2	6	3	33	8	56	13	47
Blue	298	89	373	351	1879	523	2550	963	1343
Gray	44	5	45	56	270	41	359	102	327
Greenish	19	12	25	95	150	146	194	253	425
Hazel	106	16	80	109	450	168	636	293	691
Brown	368	102	227	339	1705	568	2300	1009	2077
Vision abnormal without glasses									
Both eyes	43	67	22	290	395	412	460	769	1188
Right eye (O. D.)	16	19	13	42	126	89	155	150	402
Left eye (O. S.)	20	10	18	54	188	65	226	129	367
Corrected with glasses	209	61	125	244	688	322	1022	627	898
Color vision abnormal	1	0	0	0	12	1	13	1	16
Ears									
Right ear									
Cerumen	8	28	7	122	121	156	136	306	493
Perforated drum	3	0	0	7	14	13	17	20	44
Hearing abnormal	0	0	1	7	25	5	26	12	70
Left ear									
Cerumen	6	27	8	115	122	151	136	293	387
Perforated drum	2	0	0	2	14	14	16	16	43
Hearing abnormal	0	0	0	3	18	3	18	6	31
Nose									
Spur	0	0	0	2	13	2	13	4	19
Deviation	0	37	0	128	11	191	11	356	164
Chronic hypertrophy	0	32	0	165	5	278	5	475	69
Atrophy	0	0	0	0	1	0	2	0	1
Tonsils									
Removed	516	148	350	581	2681	921	3547	1650	2846
Tags	3	23	5	91	25	161	33	275	201
Pathological	4	17	7	120	17	177	28	314	251
Teeth									
No cavities or absent	231	52	248	401	1379	498	1858	951	2356
Cavities	22	148	10	333	49	609	81	1090	245
Absent	608	105	501	362	3032	507	4141	974	1655
Need cleaning	0	8	0	26	4	37	4	71	683
Devitalized	0	3	0	10	1	9	1	22	14
Gums Diseased	0	1	0	2	1	8	1	11	15
Weight									
Below 100 pounds		12		38		64		114	
100-115 pounds		66		228		354		648	
116-130 pounds		83		360		537		980	
131-145 pounds		42		221		315		578	
146-160 pounds		15		67		117		199	
161-175 pounds		5		21		35		51	
176-190 pounds		3		9		20		32	
191 - over		-		9		12		21	





TABLE II (Continued)

	Out of State		Rural		Urban		Total		Class of '48
	Men	Women	Men	Women	Men	Women	Men	Women	
<b>Height</b>									
Below 50 inches		0		1		22		23	
50-59 inches		7		40		197		244	
60-62 inches	13	58	0	247	51	352	64	657	
63-65 inches	83	105	27	434	162	719	272	1258	
66-68 inches	247	49	232	210	1169	299	1648	558	
69-71 inches	247	6	304	21	1874	35	2425	62	
72 and over	202	0	151	1	884	1	1237	2	
<b>Skin</b>									
Acne	0	60	0	125	57	347	57	532	728
Mycosis	0	19	0	99	26	133	26	251	178
Other skin diseases	0	0	0	2	14	6	14	8	24
<b>Vaccination scar</b>									
Arm	833	140	698	579	4329	845	5860	1564	3884
Leg	0	66	0	233	40	369	40	668	570
None	19	20	58	141	118	239	195	400	456
<b>General development</b>									
Excellent	1	3	0	24	16	48	17	75	113
Good	833	200	751	879	4400	1278	5984	2357	4531
Fair	18	23	5	48	66	118	89	189	251
Poor	0	0	0	2	5	7	5	9	15
<b>Build</b>									
Stocky	31	14	35	86	221	158	287	258	497
Medium	748	137	678	605	3981	876	5407	1618	3511
Slender	73	75	43	262	285	420	401	757	902
<b>Chest</b>									
Flat	0	5	1	31	39	37	40	73	142
Funnel	0	8	0	32	9	32	9	72	56
Pigeon	0	8	0	23	0	59	0	90	27
<b>Vertebral column</b>									
Kyphosis	0	5	0	18	13	29	13	52	36
Lordosis	0	1	1	25	4	50	5	76	27
Scoliosis	0	12	0	99	17	151	17	262	135
<b>Posture</b>									
Excellent	0	7	1	109	3	27	4	143	103
Good	838	174	750	715	4427	1088	6015	1977	4385
Fair	13	41	4	211	50	299	67	551	332
Poor	1	4	1	5	7	34	9	43	90
Restricted flexibility	0	9	0	23	4	33	4	65	101
<b>Lymph nodes</b>									
Axillary	0	0	0	19	0	8	0	27	9
Cervical	0	4	0	49	1	60	1	113	22
Epitrochlear	0	0	0	9	0	6	0	15	3
Inguinal	0	4	0	23	41	19	41	46	19
<b>Thyroid</b>									
<b>Enlarged</b>									
Slight	0	13	0	50	1	84	1	147	52
Moderate	0	2	0	6	3	8	3	16	18
Marked	0	0	0	2	0	1	0	3	2





TABLE II (Continued)

	Out of State		Rural		Urban		Total		Class of '48
	Men	Women	Men	Women	Men	Women	Men	Women	
Evidence of toxicity	0	0	0	0	4	5	4	5	13
Lungs, abnormal	0	1	0	7	11	18	11	26	4
Heart									
Abnormal	0	3	1	15	53	32	54	50	67
Irregular pulse	0	0	0	4	3	6	3	10	30
Abdomen, abnormal	0	0	0	8	12	6	12	14	12
Reflexes									
Patellar	0	2	0	14	1	17	1	33	4
Romberg	0	1	0	0	0	0	0	1	2
Pupillary	0	2	0	0	0	0	0	2	1
Penis, circumcised	355		242		2370		2967		1155
Testes, abnormal	0		0		17		17		6
Hernia, present	4	0	5	6	22	6	31	12	19
Hemorrhoids, present	0	0	0	4	4	10	4	14	23
Varicocele, present	0		0		11		11		28
Flat feet									
Long arches									
First degree	30	67	43	172	135	408	208	647	790
Second degree	37	22	27	93	169	151	233	266	582
Third degree	9	10	8	61	52	128	69	199	126
Anterior arches flat	21	55	40	298	220	494	281	847	1254
Abnormalities	0	0	0	0	2	0	2	0	7
Had venereal disease									
Gonorrhea	0	0	1	0	1	0	2	0	1
Syphilis	0	0	0	0	0	0	0	0	1
Chancroid	0	0	0	0	0	0	0	0	-
Obvious defects									
Amputations	5	0	11	0	19	0	35	0	9
Atrophies	1	0	0	0	5	2	6	2	7
Unusual scars	44	10	70	36	479	62	593	108	199
Deformities	3	3	2	14	14	13	19	30	46
Urine									
Acid	753	175	640	758	3794	1179	5187	2112	3799
Alkaline	99	23	116	110	692	109	907	242	942
Neutral	0	0	0	0	0	0	0	0	169
Sugar									
Persistent	2	0	0	0	8	0	10	0	18
Transitory	0	0	0	1	11	1	11	2	27
Unclassified	0	0	0	13	5	12	5	25	16
Albumin									
Persistent	3	1	14	10	38	10	55	21	12
Transitory	1	0	3	10	28	11	32	21	13
Unclassified	10	8	2	33	11	18	23	59	15
Menses									
Regular		176		761		1147		2084	2142
Irregular		50		192		304		546	462
Not started		0		0		3		3	3
Pain									
Severe		42		167		199		408	432
Slight		99		448		640		1187	1081



TABLE III  
 NORMAL DEVELOPMENT OF MEN STUDENTS (BY LOCATION)  
 AS DETERMINED BY MINIMUM STANDARDS  
 OF THE WAR DEPARTMENT

Minimum Standards of War Dept.

<u>Height</u>	<u>Weight</u>	<u>Chest at Expiration</u>	<u>Satisfactory</u>			<u>Total</u>
			<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	
64	120	30	5		1	6
65	121	30	7	1		8
66	122	30 1/4	6	3		9
67	124	30 1/2	17			17
68	126	30 3/4	22	2	2	26
69	128	31	23		5	28
70	130	31 1/4	17		8	25
71	133	31 3/4	17	1	1	19
72	138	32 1/4	15	1		16
73	143	32 3/4	4			4
74	148	33 1/2	5			5
75	155	34 1/4	4			4
76	161	34 3/4	3			3
77	168	35 1/4	1			1
78	175	35 3/4	2			2
Totals			<u>148</u>	<u>8</u>	<u>17</u>	<u>173</u>



TABLE IV

TYPES OF SUBNORMAL DEVELOPMENT OF MEN STUDENTS  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

Minimum Standards of War Dept.

Height	Weight	Chest at Expira- tion	Underweight				Underdev. Chest and Underweight				Grand Total
			Urban	Rural	Out-S	Total	Urban	Rural	Out-S	Total	
64	120	30	9	2	8	19	1		1	20	
65	121	30	12	3	6	21	1		1	22	
66	122	30 1/4	9	1	4	14				14	
67	124	30 1/2	7	5	4	16	2		2	18	
68	126	30 3/4	12	4	3	19	3		3	22	
69	128	31	7	6	3	16	3		3	19	
70	130	31 1/4	6	7	4	17	2		2	19	
71	133	31 3/4	5	1	4	10	2		2	12	
72	138	32 1/4	3	1	3	7	2		2	9	
73	143	32 3/4		1	1	2	1		1	3	
74	148	33 1/2									
75	155	34 1/4			1	1				1	
76	161	34 3/4			1	1				1	
77	168	35 1/4	1			1				1	

Deviations

Under 64	120									
Urban		24								
Rural		1								
Out-S		3								28

Under 64	120 (or over)									
Urban		27								
Rural		2								
Out-S		10								

Total 39  
228



TABLE V  
 SUBNORMAL DEVELOPMENT OF MEN STUDENTS (BY LOCATION)  
 AS DETERMINED BY MINIMUM STANDARDS  
 OF THE WAR DEPARTMENT

Minimum Standards of War Dept.

<u>Height</u>	<u>Weight</u>	<u>Chest at Expiration</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Grand Total</u>
64	120	30	10	2	8	20
65	121	30	13	3	6	22
66	122	30 1/4	9	1	4	14
67	124	30 1/2	9	5	4	18
68	126	30 3/4	15	4	3	22
69	128	31	10	6	3	19
70	130	31 1/4	8	7	4	19
71	133	31 3/4	7	1	4	12
72	138	32 1/4	5	1	3	9
73	143	32 3/4	1	1	1	3
74	148	33 1/2				
75	155	34 1/4			1	1
76	161	34 3/4			1	1
77	168	35 1/4	1			1
Deviations						
Under 64	120		24	1	3	28
Under 64	120 (or over)		<u>27</u>	<u>2</u>	<u>10</u>	<u>39</u>
Totals			139	34	55	228





APPENDIX E  
CIVIL SERVICE EXAMINATIONS



## CIVIL SERVICE EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total number examined	268	164	432
Married	166	136	302
Widower, widow	0	13	13
Single	102	52	154
Age			
Under 20	25		25
20-29 years	108		108
30-39 years	66		66
40-49 years	44		44
50 years and over	25		25
No age recorded	.		
Inheritable diseases			
Tuberculosis	4	12	16
Cancer	10	25	35
Neurasthenia	0	0	0
Epilepsy	0	2	2
Diabetes	0	0	0
Others	2	0	2
Birthplace			
Illinois	192	88	280
Elsewhere	76	76	152
Injuries			
Head	8	1	9
Chest	1	4	5
Abdomen	3	1	4
Arm	20	6	26
Leg	12	3	15
Others	15	7	22
Operations			
Head			
Tonsils	41	65	106
Adenoids	6	6	12
Others	4	7	11
Chest	0	0	0
Abdomen	30	35	65
Circumcision	3		3
Others	21	8	29
Vaccinations			
Typhoid fever	48	24	72
Smallpox	239	79	318
Age of vaccination scar			
Under 10 years	172		172
10-20 years	37		37
Over 20 years	30		30
No vaccination	29		29
Sleep			
Under 6 hours	0	0	0
6-7 hours	18	22	40
8-9 hours	243	138	381
10 hours and over	7	4	11



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Habits			
Tea	127	105	232
Coffee	199	134	333
Tobacco	172	47	219
Alcohol	72		72
Drugs	1		1
None of the above	16	21	16
Diseases had			
Measles	187	146	333
Rubella	0	0	0
Mumps	139	105	244
Chickenpox	124	108	232
Whooping cough	132	101	233
Scarlet fever	37	22	59
Typhoid fever	11	10	21
Diphtheria	8	6	14
Meningitis	1	1	2
Malaria	15	5	20
Smallpox	18	8	26
Pneumonia	27	15	42
Asthma	6	2	8
Pleurisy	2	5	7
Rheumatism	4	5	9
Tonsillitis	53	50	103
Chorea	0	0	0
Influenza	56	40	96
Otitis media	0	0	0
Gonorrhoea	4	0	4
Syphilis	1	0	1
Constipation	6	11	17
Dysentery	10	2	12
Appendicitis	28	36	64
Neurasthenia	0	0	0
Poliomyelitis	0	0	0
Others	5	4	9

## SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Color of hair			
No color recorded	0	0	0
Flaxen	6	11	17
Reddish	5	5	10
Light brown	67	25	92
Dark brown	36	32	68
Brown	123	60	183
Black	30	16	46
Gray	1	0	1
Color of eyes			
No eyes recorded	0	0	0
Blue	119	61	180



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Gray	26	9	35
Greenish	10	20	30
Hazel	28	19	47
Brown	80	55	135
Black	5	0	5
Vision abnormal without glasses			
Both eyes	17	49	66
Right eye (O. D.)	8	9	17
Left eye (O. S.)	10	12	22
Corrected with glasses	44	47	91
Colorblind	0	0	0
Ears			
Right ear			
Cerumen	5	11	16
Perforated drum	7	1	8
Hearing abnormal	0	2	2
Left ear			
Cerumen	5	8	13
Perforated Drum	0	1	1
Hearing abnormal	1	3	4
Nose			
Spur	0	1	1
Deviation	0	35	35
Chronic hypertrophy	0	27	27
Tonsils			
Removed	100	83	183
Tags	0	12	12
Pathological	2	26	28
Teeth			
No cavities or absent	50	33	83
Cavities	18	63	81
Absent	209	87	296
Need cleaning	0	7	7
Devitalized	0	1	1
Gums diseased	5	1	6
Skin			
Acne	0	42	42
Mycosis	2	3	5
Other skin diseases	0	0	0
Vaccination scar			
Arm	239	113	352
Leg	0	18	18
None	29	33	62
General Development			
Excellent	2	4	6
Good	257	135	392
Fair	9	21	30
Poor	0	4	4
Build			
Stocky	25	20	45
Medium	218	80	298
Slender	25	64	89





	<u>Men</u>	<u>Women</u>	<u>Total</u>
Chest			
Flat	2	5	7
Funnel	1	4	5
Pigeon	0	12	12
Vertebral column			
Kyphosis	0	9	9
Lordosis	1	3	4
Scoliosis	1	11	12
Posture			
Excellent	0	1	1
Good	259	110	369
Fair	9	50	59
Poor	0	3	3
Restricted flexibility	0	3	3
Lymph nodes:			
Axillary	0	0	0
Cervical	0	1	1
Epitrochlear	0	0	0
Inguinal	0	1	1
Thyroid			
Enlarged			
Slight	0	13	13
Moderate	0	1	1
Lungs, abnormal	0	5	5
Heart, abnormal	0	3	3
Irregular pulse	0	0	0
Abdomen, abnormal	1	0	1
Reflexes			
Patellar	0	0	0
Romberg	0	0	0
Penis, circumcised	65	0	65
Testes, abnormal	0	0	0
Hernia, present	5	2	7
Varicocele, present	0	0	0
Hemorrhoids, present	0	4	4
Flat feet			
Long arches			
First degree	5	51	56
Second degree	11	17	28
Third degree	7	20	27
Anterior arches flat	7	77	84
Abnormalities	0	0	0
Had venereal disease			
Gonorrhoea	4	0	4
Syphilis	1	0	1
Physical defects			
Amputations	4	0	4
Atrophies	0	1	1
Unusual scars	30	22	52
Deformities	0	8	8



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Urine			
Acid	242	136	378
Alkaline	26	28	54
Neutral	0	0	0
No specimen	0	0	0
Albumin			
Persistent	0	1	1
Transitory	3	0	3
Unclassified	2	7	9
Sugar			
Persistent	0	0	0
Transitory	1	0	1
Unclassified	2	2	4
Weight			
Below 100 lbs.	0	7	7
100-115 incl.	10	44	54
116-130	35	57	92
131-145	60	26	86
146-160	65	13	78
161-175	48	6	54
176-199	40	11	51
200 and over	10	0	10
Height			
Below 59 inches	0	11	11
60-62	5	40	45
63-65	40	78	118
66-68	84	34	118
69-71	105	1	106
72 and over	34	0	34
Grade			
Good	240		240
Fair	28		28
Poor	0		0
Disqualified	0		0



APPENDIX F

UNIVERSITY HIGH SCHOOL EXAMINATIONS



## UNIVERSITY HIGH SCHOOL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total number examined	31	47	78
Inheritable diseases			
Apoplexy	-	2	2
Cancer	1	7	8
Goiter	-	-	-
Diabetes	1	4	5
Kidney trouble	-	-	-
Tuberculosis	1	2	3
Birthplace			
Illinois	23	31	54
Elsewhere	8	16	24
Work for self-support	-	1	1
Use laxative frequently	-	3	3
Sleep			
6-7 hours	2	2	4
8-9 hours	14	27	41
10 hours and over	15	17	32
Habits			
Coffee	4	7	11
Tea	6	11	17
Tobacco	3	2	5
None of the three	22	32	54
Age started smoking			
10-14 years	2	1	3
15-19 years	1	1	2
20-24 years	-	-	-
Meals per day			
Three	31	46	77
Weight the past year			
Gained	30	28	58
Lost	-	11	11
Stationary	1	8	9
Easily fatigued	1	12	13
Menses			
Regular		34	34
Irregular		4	4
Not started		9	9
Pain			
Severe		3	3
Slight		9	9
Subject to frequent colds in			
Nose	6	5	11
Throat	4	3	7
Lungs	-	-	-
Injuries			
Head	-	1	1
Chest	-	-	-
Arm	4	-	4
Leg	2	4	6
Others	1	3	4





	<u>Men</u>	<u>Women</u>	<u>Total</u>
Operations			
Head			
Tonsils	16	20	36
Adenoids	1	4	5
Others	-	-	-
Abdomen	4	6	10
Persistently worry	1	5	6
Have the "blues"	-	4	4
Arches of feet painful	-	1	1
Possible reasons for not taking			
Physical Education	1	1	2
When reading, bothered with			
Headaches	-	5	5
Blurring of vision	-	3	3
Squinting of eyes	-	3	3
Watering of eyes	4	3	7
Twitching of eyes	-	-	-
Burning of eyes	2	4	6
Diseases had			
Appendicitis	4	7	11
Asthma	5	3	8
Chickenpox	20	34	54
Constipation	2	-	2
Diphtheria	1	1	2
Discharging ear	1	3	4
Heart trouble	-	4	4
Hay fever	7	7	14
Hernia (rupture)	-	1	1
Influenza	6	6	12
Kidney trouble	-	1	1
Malaria	3	-	3
Measles	23	38	61
German Measles	5	16	21
Mumps	17	21	38
Pneumonia	3	8	11
Scarlet Fever	4	5	9
Sinusitis	3	-	3
Smallpox	-	2	2
Tonsillitis	8	13	21
Whooping cough	13	26	39
Others	2	1	3
Immunizations			
Diphtheria	18	33	51
Scarlet fever	10	22	32
Smallpox	31	35	66
Typhoid fever	7	15	22
Tests			
Schick	17	29	46
Dick	14	22	36



## SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Color of hair			
Flaxen	2	7	9
Reddish	1	2	3
Light brown	14	12	26
Dark brown	6	8	14
Brown	6	13	19
Black	2	5	7
Color of eyes			
Blue	16	13	29
Gray	1	4	5
Greenish	1	7	8
Hazel	1	5	6
Brown	12	19	31
Vision abnormal without glasses			
Both eyes	-	22	22
Right eye (O. D.)	2	5	7
Left eye (O. S.)	-	5	5
Corrected with glasses	3	10	13
Ears			
Right ear			
Cerumen	-	8	8
Perforated drum	-	-	-
Hearing abnormal	-	1	1
Left ear			
Cerumen	-	8	8
Perforated	-	-	-
Hearing abnormal	-	-	-
Nose			
Deviation	-	2	2
Chronic hypertrophy	-	4	4
Tonsils			
Removed	19	21	40
Tags	1	3	4
Pathological	-	10	10
Teeth			
No cavities or absent	11	10	21
Cavities	-	29	29
Absent	20	15	35
Need cleaning	-	3	3
Devitalized	-	-	-
Skin			
Acne	-	10	10
Other skin diseases	-	-	-
Vaccination scar			
Arm	31	20	51
Leg	-	22	22
None	-	5	5



	<u>Men</u>	<u>Women</u>	<u>Total</u>
General development			
Excellent	-	3	3
Good	30	43	73
Fair	1	1	2
Build			
Stocky	1	2	3
Medium	25	26	51
Slender	5	19	24
Chest			
Flat	-	1	1
Funnel	-	-	-
Pigeon	-	1	1
Vertebral column			
Kyphosis	-	-	-
Lordosis	-	-	-
Scoliosis	-	5	5
Posture			
Excellent	-	3	3
Good	30	41	71
Fair	1	3	4
Flexibility, restricted	-	1	1
Penis			
Circumcised	12		12
Flat feet			
Long arches			
First degree	2	11	13
Second degree	2	5	7
Third degree	1	3	4
Anterior arches flat	3	13	16
Obvious defects, unusual scars	2	3	5
Urine			
Acid	31	42	73
Alkaline	-	1	1
Neutral	-	-	-
Weight			
Below 100 lbs.	8	12	20
100-115 incl.	9	16	25
116-130	4	13	17
131-145	10	5	15
Height			
50-59 inches	5	6	11
60-62	4	19	23
63-65	9	21	30
66-68	6	1	7
69-71	4	-	4



APPENDIX G

CASES ENCOUNTERED DURING THE YEAR





## CASES ENCOUNTERED DURING THE YEAR

Abscess		8
Acidosis		1
Acne		24
Adenitis		
Inguinal	1	
Unclassified	<u>38</u>	39
Adenopathy		2
Adhesions		1
Allergy		16
Alopecia		2
Amenorrhea		1
Anemia		1
Angina, Vincent		48
Appendicitis		
Chronic	2	
Unclassified	<u>16</u>	18
Arthritis		18
Asthma		42
Athletes feet		19
Balanitis		1
Bites		
Animal	4	
Insect	<u>32</u>	36
Blepharitis		21
Bromidrosis		1
Bronchitis		290
Bursitis		18
Callus		6
Callosity		2
Cancrum, Oris		26
Carbuncle		1
Caries,		
Teeth		7
Cellulitis		16
Ceruminosis		72
Chalazion		3
Chickenpox		3
Clavus		1
Collitis		24
Conjunctivitis		79
Constipation		24
Coryza		494
Cramp		2
Cyst		
Sebaceous	2	
Unclassified	<u>45</u>	47
Cystitis		4
Cartilage, loose		1
Dandruff		1
Dermatitis		189



Deviation, septum		1
Diabetes		3
Diarrhea		15
Dysentery		3
Dysmenorrhea		5
Dyspepsia		3
Eczema		3
Ecchymosis		2
Enteritis		182
Epistaxis		9
Exostosis		1
Fainting (syncope)		4
Fatigue		25
Fissure, skin		1
Fistula		1
Flat feet		14
Frostbite		3
Furunculosis		245
Ganglion		1
Gastralgia		4
Gastritis		69
Gastroenteritis		68
Gingivitis		144
Glossitis		10
Gonorrhoea		1
Hay fever		18
Headache or cephalalgia		80
Heart trouble		1
Hemorrhage		8
Hemoptysis		1
Hemorrhoids		49
Hemostasia		1
Hernia		
Inguinal	1	
Unclassified	<u>8</u>	9
Herpes		
Labialis	8	
Simplex	14	
Zoster	13	
Unclassified	<u>12</u>	47
Horeolum or sty		46
Hyperhidrosis or excess sweat		8
Hypertension		3
Hypochondriasis		1
Hypotension		3
Hyperthyroidism		2
Impetigo		
Contagiosa	1	
Unclassified	<u>28</u>	29
Indigestion		29
Inflammation		1
Influenza		15



Ingrown nail		17
Insomnia		7
Intestinal toxemia		2
Irritation, skin		1
Itchiness		1
La grippe		152
Laryngitis		26
Lipoma		1
Lumbago		4
Malaise		3
Malaria		19
Measles		1
Menorrhagia		1
Metatarsalgia		12
Miliaria		
Heat rash	3	
Unclassified	<u>2</u>	5
Mumps		5
Myalgia		12
Mycosis		359
Myosis		138
Nausea		1
Nephritis		1
Nervousness		10
Neuralgia		
Face	1	
Intercostal	1	
Unclassified	<u>4</u>	6
Neurasthenia		3
Neuritis		18
Neurosis		11
Nocturnal Emissions		1
Oscheitis		2
Osteomyelitis		2
Otalgia or earache		4
Otitis		
Externa	7	
Media	72	
Unclassified	<u>2</u>	81
Overwork		1
Painful		
Arch	8	
Back	2	
Miscellaneous	<u>25</u>	35
Paronychai or felon		17
Pediculosis		
Pubis	14	
Unclassified	<u>6</u>	20
Pharyngitis		
Acute	59	
Naso	113	
Unclassified	<u>863</u>	1035
Papilloma		2



Pityriasis		14
Pleurisy		28
Poisoning		
Ivy	17	
Food	1	
Unclassified	<u>1</u>	19
Pruritus		4
Psychosis		1
Pustule		45
Pyorrhea		2
Psychoneurosis		8
Psoriasis		1
Rheumatic fever		1
Rheumatism		1
Rhinitis		237
Ruptured eardrum		1
Salpingitis		1
Scabies		21
Sciatica		3
Seborrhea		3
Sinusitis		112
Soreness		1
Sorethroat		2
Stiff neck		1
Stomatitis		
Apthous	1	
Unclassified	<u>69</u>	70
Swollen feet		1
Sunburn		13
Tachycardia		2
Tenosynovitis		2
Tinea or ringworm		
Circinata or body	9	
Cruris or thigh	63	
Sycosis or barberitch	1	
Unclassified	<u>1</u>	74
Tinnitus aurium		6
Tonsillitis		44
Trombosis		1
Toothache or odontalgia		23
Torticollis		3
Tuberculosis		1
Tumor		1
Trombidosis		1
Ulcer		8
Urethritis		9
Urticaria		14
Vaccina or cowpox		1
Varicose veins		1
Verruca or wart		151
Whitlow		1
Wisdom tooth		3





## INJURIES, WOUNDS, SPRAINS

Abrasion		
Arm	4	
Back	2	
Chest	1	
Elbow	2	
Eyelid	2	
Face	5	
Finger	4	
Foot	12	
Hand	13	
Head	2	
Heel	4	
Knee	22	
Leg	13	
Nose	1	
Shoulder	3	
Skin	6	
Toe	2	
Misc.	24	
Unclassified	<u>50</u>	172
Blister		
Heel	10	
Hand	4	
Foot	22	
Toe	12	
Misc.	1	
Unclassified	<u>33</u>	82
Bruise	<u>40</u>	
Burn		
Acid	7	
Chemical	5	
Misc.	1	
Unclassified	45	
Arm	7	
Eye	3	
Finger	8	
Foot	1	
Hand	11	
Head	1	
Leg	2	
Mouth	2	
Neck	1	
Wrist	2	
Misc.	3	
Unclassified	<u>2</u>	101
Concussion		
Brain	2	
Misc.	<u>2</u>	4



Contusion		
Arm	11	
Back	7	
Chest	2	
Ear	1	
Eye	12	
Face	2	
Finger	43	
Foot	17	
Hand	13	
Heel	11	
Head	5	
Jaw	1	
Joint		
Ankle	2	
Elbow	1	
Knee	12	
Leg	11	
Lip	4	
Muscle	1	
Nose	11	
Rib	4	
Scalp	2	
Shoulder	10	
Thigh	4	
Toe	25	
Misc.	38	
Unclassified	<u>4</u>	254
Dislocated		
Cartilage	2	
Shoulder	3	
Unclassified	<u>1</u>	6
Foreign Body		
Ear	1	
Eye	58	
Hand	2	
Misc.	3	
Unclassified	<u>1</u>	65
Fracture		
Ankle	3	
Arm	1	
Foot	1	
Hand	2	
Leg	1	
Rib	2	
Misc.	1	
Joints		
Finger	4	
Wrist	5	
Unclassified	<u>8</u>	28
Incisions		
Foot	1	
Wound	<u>68</u>	69



Infections		
Allergy	1	
Ankle	4	
Arm	2	
Blister	3	
Cyst	1	
Ear	4	
Elbow	3	
Eye	3	
Face	5	
Finger	39	
Foot	33	
Gum	1	
Hand	22	
Head	1	
Heel	7	
Knee	2	
Leg	9	
Mouth	1	
Nose	2	
Respiratory	334	
Skin	1	
Throat	1	
Toe	38	
Tooth	7	
Verruca	1	
Misc.	<u>43</u>	568
Injured		
Ankle	3	
Arm	2	
Chest	1	
Elbow	4	
Eye	4	
Finger	4	
Foot	11	
Hand	5	
Knee	11	
Leg	2	
Nose	2	
Rib	1	
Toe	3	
Wrist	2	
Misc.	9	
Unclassified	<u>5</u>	60
Perforation, wound	2	
Puncture, wound	7	
Laceration		
Arm	2	
Eye	1	
Face	2	
Finger	36	
Foot	10	



## Laceration (Cont.)

Hand	21	
Head	9	
Knee	2	
Leg	6	
Lips	3	
Nose	1	
Scalp	1	
Wrist	2	
Wound	3	
Shoulder	1	
Misc.	2	
Unclassified	<u>14</u>	116
Sprain		
Ankle	164	
Back	26	
Elbow	6	
Finger	34	
Foot	55	
Hand	2	
Hip	3	
Knee	64	
Leg	3	
Neck	3	
Sacroiliac	2	
Shoulder	14	
Thumb	15	
Toe	11	
Wrist	32	
Misc.	17	
Unclassified	<u>3</u>	454
Strain		
Abdomen	2	
Ankle	3	
Eye	52	
Foot	4	
Muscle	10	
Sacroiliac	16	
Thumb	1	
Wrist	5	
Back	3	
Misc.	1	
Unclassified	<u>34</u>	131
Splinter	20	





## RECAPITULATION

Pharyngitis	1035
Coryza	494
Mycosis	359
Bronchitis	290
Furunculosis or boil	245
Rhinitis	237
Dermatitis	189
Enteritis	182
La grippe	152
Verruca or wart	151
Gingivitis	144
Myosis	138
Sinusitis	112
Otitis	81
Headache or cephalalgia	80
Conjunctivitis	79
Tinea or ringworm	74
Ceruminosis	72
Stomatitis	70
Gastritis	69
Gastroenteritis	68
Hemorrhoids	49
Vincent's Angina	48
Cyst	47
Herpes	47
Horeolum or sty	46
Pustule	45
Tonsillitis	44
Asthma	42
Adenitis	39
Bites	36
Painful	35
Impetigo	29
Indigestion	29
Pleurisy	28
Cancrum, oris	26
Laryngitis	26
Fatigue	25
Acne	24
Collitis	24
Constipation	24
Caries	23
Toothache or odontalgia	23
Blepharitis	21
Scabies	21
Pediculosis	20
Athletes Feet	19
Malaria	19
Poisoning	19



Appendicitis	18
Arthritis	18
Bursitis	18
Hay fever	18
Neuritis	18
Ingrown Nail	17
Paronychai or felon	17
Allergy	16
Diarrhea	15
Influenza	15
Flat feet	14
Pityriasis	14
Urticaria	14
Sunburn	13
Metatarsalgia	12
Myalgia	12
Neurosis	11

TEN CASES:

Glossitis, Nervousness.

NINE CASES:

Epistaxis or nosebleed, Hernia, Urethritis.

EIGHT CASES:

Abscess, Hemorrhage, Hyperhidrosis, Psychoneurosis, Ulcer.

SEVEN CASES:

Insomnia.

SIX CASES:

Callus, Neuralgia.

FIVE CASES:

Dysmenorrhea or pain, Miliaria, Mumps.

FOUR CASES:

Cystitis, Fainting (syncope), Gastralgia, Lumbago, Otalgia or earache, Pruritus.



## THREE CASES:

Chalazion, Chickenpox, Diabetes, Dysentery, Dyspepsia, Eczema, Frostbite, Hypertension, Hypotension, Malaise, Neurasthenia, Sciatica, Seborrhea, Torticollis, Wisdom tooth.

## TWO CASES:

Alopecia, Adenopathy, Callosity, Cramp, Ecchymosis, Hyperthyroidism, Intestinal toxemia, Oscheitis, Osteomyelitis, Papilloma, Pyorrhea, Sorethroat, Tachycardia, Tenosynovitis.

## ONE CASE:

Acidosis; Adhesion; Amenorrhea; Anemia; Balanitis; Bromodrosis; Carbuncle; Cartilage, loose; Clavus or corn; Dandruff; Deviation, septum; Exostosis; Fissure, skin; Fistula; Ganglion; Gonorrhoea; Heart Trouble; Hemoptysis; Hypochondriasis; Itchiness; Inflammation; Irritation, skin; Hemostasia; Lipoma; Measles; Menorrhagia; Nausea; Nephritis; Nocturnal Emissions; Overwork; Psoriasis; Psychosis; Rheumatic fever; Rheumatism; Ruptured eardrum; Salpingitis; Stiff neck; Swollen feet; Soreness; Trombidiosis; Trombosis; Tuberculosis; Tumor; Vaccina or cowpox; Varicose veins; Whitlow.



APPENDIX H  
SURVEY OF HEALTH TEACHING IN HIGH SCHOOLS





## BIOLOGY

Biology and Nothing Else	935
Agriculture	23
Agriculture, Physical Education	2
Agriculture, Physical Education, General Science	1
Agriculture, Physics, General Science	1
Algebra	3
Algebra, Chemistry, Latin	1
Algebra, General Science, Chemistry, Physics	1
Algebra, Geometry	1
Algebra, Geometry, Physical Education	1
Algebra, Trigonometry, Chemistry, Agriculture, Physics	1
All Other Courses	1
All Science Courses	4
All Science Courses, Mathematics	2
Band, Orchestra	1
Botany	4
Careers	1
Chemistry	23
Chemistry, Agriculture	1
Chemistry, English, Mathematics, General Science	1
Chemistry, General Science	10
Chemistry, Physical Education	1
Chemistry, Physics, Coach	1
Chemistry, General Science, Physics, Aeronautics	1
Chemistry, Physics	11
Chemistry, Physics, Aeronautics	1
Chemistry, Physics, General Science	18
Chemistry, Physics, General Science, Mathematics	1
Chemistry, Zoology	1
Civics	3
Civics, Economics	1
Coach	5
Coach, American Problems	1
Coach, Physical Education	2
Dramatics	1
English	21
English, Latin, Landscape Architecture	1
English, Mathematics	1
English, Religion	1
First Aid	1
First Aid, Home Economics, Physical Education	1
General Science	106
General Science, Aeronautics	1
General Science, Agriculture	4
General Science, Algebra	1
General Science, Coach	2
General Science, Commercial Law	1
General Science, English	1
General Science, History	2
General Science, Home Economics	4



## BIOLOGY (Continued)

General Science, Mathematics	4
General Science, Mathematics, Chemistry	1
General Science, Physical Education	2
General Science, Physical Education, Hygiene	1
General Science, Physics	16
General Science, Physics, Music	1
General Science, Physics, Physical Education	1
General Science, Zoology	3
General Science, Zoology, Botany	1
Geography	1
Geography, Vocations	1
Geometry	3
Geometry, Algebra, Bookkeeping	1
Geometry, Coach	1
History	10
History, Civics, Coach	1
History, Coach	2
History, Economics, Physical Education	1
History, Economics, Social Economics	1
Home Economics	12
Home Economics, German, Physiology	1
Home Economics, Physical Education	1
Horticulture	3
Hygiene, Civics, American Government	1
Hygiene, Physics, Chemistry, General Science	1
Hygiene, Safety	1
Industrial Arts	1
Languages	4
Latin	2
Latin, Religion	1
Librarian	1
Manual Training	1
Mathematics	19
Mathematics, Animal Husbandry	1
Mathematics, Chemistry	1
Mathematics, Discipline	1
Mathematics, History	2
Mathematics, Physical Education	2
Mathematics, Physical Education, Physics, Biology	1
Miscellaneous	7
Music	1
Music, English, Physics	1
Nutrition	1
Other Sciences	7
Other Sciences, Coach	1
Other Sciences, General Science, Physics	1
Other Science, Physical Education	1
Physical Education	51
Physical Education, Clothing	1
Physical Education, General Science	2
Physical Education, History	1



## BIOLOGY (Continued)

Physical Education, English, History	1
Physical Education, Hygiene	1
Physical Education, Social Science	1
Physics	17
Physics, Agriculture	3
Physics, Coach	1
Physics, Mathematics, General Science	4
Physics, Mathematics, Health	1
Physics, Physical Education, Coach	1
Physics, Shop, Trigonometry	1
Physiology	11
Physiology, General Science	3
Physiology, Hygiene	2
Physiology, Physical Education	1
Pre-Flight, Aeronautics	1
Printing	1
Social Sciences	2
Zoology	14
Zoology, Anatomy	1
Zoology, Botany	8
Zoology, Geometry	1
Zoology, Pre-Flight, Aeronautics	1

## GENERAL SCIENCE

General Science and Nothing Else	847
Aeronautics	1
Aeronautics, Chemistry	1
Agriculture	16
Agriculture, Business Arithmetic	1
Agriculture, History	1
Agriculture, Physics, Biology	1
Algebra	19
Algebra, Chemistry	1
Algebra, Dean of Men	1
Algebra, Geometry	1
Algebra, Trigonometry, Science, Chemistry, Agriculture, Physics	1
All Other Courses	1
All Science Courses	8
All Science Courses, Mathematics	2
Band and Orchestra	1
Biology	105
Biology, Aeronautics	1
Biology, Agriculture	6
Biology, Algebra	1
Biology, Algebra, Mechanical Drawing	1
Biology, Coach	2





## GENERAL SCIENCE (Continued)

Biology, Chemistry	19
Biology, Commercial Law	1
Biology, English	3
Biology, English, Coach	1
Biology, Home Economics	1
Biology, Physical Education	2
Biology, Physics	16
Biology, Physics, Music	1
Botany	2
Botany, Chemistry	1
Chemistry	70
Chemistry, Coach	1
Chemistry, Education	1
Chemistry, Electricity	1
Chemistry, English, Physiology	1
Chemistry, Geometry	1
Chemistry, Physics	70
Chemistry, Physics, Aeronautics	1
Chemistry, Physics, Algebra	1
Chemistry, Physics, Conservation	1
Chemistry, Physics, Hygiene, Commercial Arithmetic	1
Chemistry, Physics, Physical Education	1
Chemistry, Physics, Radio	1
Chemistry, Physics, Religion	1
Chemistry, Science	1
Chemistry, Zoology, Biology	1
Coach	3
Coach, Biology	2
Dramatics	1
Civics	2
Civics, Economics	1
English	15
English, Drama	1
English, History	1
English, Mathematics	5
English, Religion	1
French	1
Geography	1
Geography, Radio	1
Geometry	3
History	12
History, Civics	4
History, Physical Education	1
Home Arts, Algebra	1
Home Economics	29
Home Economics, Chemistry	2
Home Economics, Chemistry, Physics	1
Home Economics, English	3
Home Economics, Physical Education	3
Hygiene	1
Language	1





## GENERAL SCIENCE (Continued)

Latin, English	3
Manual Training	1
Manual Training, Biology	1
Mathematics	81
Mathematics, Algebra, Pre-Flight	1
Mathematics, Biology	3
Mathematics, Chemistry	3
Mathematics, Chemistry, Physical Education	1
Mathematics, Coach	1
Mathematics, History	1
Mathematics, Home Economics	1
Mathematics, Industrial Arts	1
Mathematics, Mechanical Drawing	1
Mathematics, Physics	6
Miscellaneous	4
Music	5
Music, Band	1
Music, English, Mathematics	1
Other Sciences	9
Physical Education	50
Physical Education, Agriculture, Biology	1
Physical Education, Art	2
Physical Education, English	1
Physical Education, Geometry	1
Physical Education, German	1
Physical Education, Hygiene	1
Physics	85
Physics, Aeronautics, Principal of High School	1
Physics, Aeronautics, Social Science	1
Physics, Algebra	2
Physics, Algebra, Geometry, Chemistry, Trigonometry	1
Physics, Biology	2
Physics, Biology, Physical Education	1
Physics, Chemistry, Algebra, Geometry	1
Physics, Chemistry, Botany	2
Physics, Chemistry, Biology	16
Physics, Chemistry, Biology, Mathematics	1
Physics, Commercial Law, Chemistry	1
Physics, Geometry	2
Physics, German	1
Physics, Mathematics, Biology	3
Physics, Mathematics, Biology, Algebra	1
Physics, Mathematics, Chemistry	4
Physics, Mathematics, Economics	2
Physics, Pre-Flight	2
Physiology	1
Physiology, Hygiene	1
Pre-Flight	1
Principal of School, History, Mathematics, Coach, All Sciences	1
Psychology	1
Religion	1



## GENERAL SCIENCE (Continued)

Social Science	3
Stenographic Subjects, Science	1
Spanish	1
Spanish, English, International Relations	1
Vocational Guidance	1
Wood Work	1
Zoology	5
Zoology, Biology	1
Zoology, Botany	1

## PHYSIOLOGY

Physiology and Nothing Else	67
Accounting	1
Algebra	1
All Other Courses	1
Botany	2
Coach	3
Biology	14
Chemistry	6
Chemistry, English, Physiology, Physiography	1
Chemistry, Physics	7
Chemistry, Physics, Aeronautics	1
Chemistry, Pre-Flight	1
English	1
English, Sociology	1
Farming	1
General Science	4
General Science, Biology	1
General Science, Hygiene	1
Geography	9
Geography, Coach	1
History	2
History, Civics	1
History, Physiology	1
History, Political Science	1
Home Economics	1
Home Economics, German, Biology	1
Home Nursing	1
Hygiene	1
Latin	1
Mathematics	4
Nurse	1
Other Sciences	2
Physical Education	27
Physical Education, Biology	1
Physical Education, Biology, Clothing, Hygiene	1



## PHYSIOLOGY (Continued)

Physical Education, Coach	3
Physical Education, Geography	1
Physical Education, Mathematics	1
Physical Education, Safety, Hygiene	1
Physiography	3
Physiography, Commercial and Industrial Geography	2
Psychology	1
Zoology	2
Zoology, Biology	1
Zoology, Biology, Botany	1
Zoology, Hygiene	1

## HYGIENE

Hygiene and Nothing Else	103
All Other Courses	2
Biology, Civics	1
Biology, Civics, American Government	1
Biology, Safety	1
Civics	2
Civics, Economics	1
Coach	5
Chemistry, Physics	3
Chemistry, Physics, Biology	6
Chemistry, Physics, Biology, General Science	1
Chemistry, Physics, Science	1
Economics	1
English	1
English, Physical Education	7
First Aid	2
First Aid, Dean of Women	2
First Aid, Physical Education	1
Foods	1
General Science	4
General Science, Biology, Physical Education	1
General Science, Chemistry	1
General Science, Mathematics	1
History	1
History, Coach	1
History, Physics	1
Home Economics	6
Latin	2
Mathematics	4
Mathematics, History	1
Miscellaneous	1
Nurse	2
Other Science	1



## HYGIENE (Continued)

Other Subjects	1
Physical Education	672
Physical Education, Agriculture	1
Physical Education, Algebra	1
Physical Education, Biology	4
Physical Education, Clothing, Biology	1
Physical Education, Coach	4
Physical Education, General Science	5
Physical Education, Home Economics	1
Physical Education, Languages	1
Physical Education, Mathematics, Economics	1
Physical Education, Music	1
Physical Education, Nurse	1
Physical Education, Physiology, Geography, General Science	1
Physical Education, Safety, Physiology	1
Physical Education, Swimming, Dancing	1
Physiology	3
Physiology, Geography, Mathematics	1
Physiology, General Science	1
Physiology, Zoology	1
Physiology, Zoology, Biology	1
R. O. T. C.	3
Social Science	1











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