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HEALTH SERVICES
ANNUAL REPORT
1967-1968

ORVILLE S. WALTERS, M.D.
Director of Health Services

Champaign-Urbana, Illinois

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ANNUAL REPORT

1967-68

To the President of the University:

The following summary reviews Health Service activities for the year and is followed by statistical analyses of certain specific operations.

ACCREDITATION

McKinley Hospital was inspected for the third time on October 27, 1967 by a representative of the Joint Commission on Accreditation of Hospitals. On November 20, word was received from the commission that the hospital had been reaccredited for a 3-year period.

On January 24-27, a 3-man evaluation team from the American College Health Association visited the campus at the request of Chancellor Peltason. In May, word was received from the Association that the Health Service was approved for certification by its Committee on Recommended Standards and Practices.

10-YEAR PROGRESS REPORT

The 124-page report submitted by the ACHA committee carried a brief historical survey, of which the following is a part:

In 1958, the present Director, Orville S. Walters, M.D., was appointed with the charge of bringing the Health Service up to acceptable clinical standards, and as of January, 1968, there is no doubt whatsoever but that this has been accomplished. Among the specific and noteworthy achievements brought about under Dr. Walters have been:

(a) Continual addition of well-qualified professionals to fill new positions, positions needed to meet the demands of growing enrollments and clinical expectation.

(b) Establishment of a sound Environmental Health program, with a qualified head, under the Health Service in 1961.

(c) Establishment of a Mental Health Division, also under qualified psychiatric leadership, in 1961.

(d) Establishment and maintenance of good working relationships between the Health Service Medical Staff and the Champaign-Urbana Medical Society, while obtaining full clinical privileges for his staff in their offices and in McKinley Hospital.

(e) Obtaining Joint Committee Hospital Accreditation for McKinley Hospital in 1961, including the formation of a joint Health Service-local physician staff.

(f) Promoting and overseeing the building, equipping, and activation of a new Health Center for ambulatory care, adjacent to and connected with McKinley Hospital, in 1962.

(g) Unifying the nursing staffs of the Health Center and the Hospital, and centralizing many other common services.

(h) Pioneering in the very difficult task of maintaining outpatient statistics via computer techniques.

(i) Provision of a broad program in preventive and occupational medicine.

(j) Provision of quality diagnostic services, equipment and techniques.

(k) Continual revision of procedures and policies aimed at providing better clinical service. (In the emergency area, these are outstanding).

HEALTH SERVICE STAFF

Three staff vacancies occurred due to the resignations of Dr. Samuels, Dr. Little and Dr. Dorothy Dunn. Dr. Patricia Day was appointed September 1 to the medical staff and Dr. Donald Gent was appointed January 1, 1968 to the psychiatric staff. Dr. John Bostrom began work March 11, 1968 as the fifth psychiatrist on the psychiatric staff.

DIVISION OF CLINICAL MEDICINE

Outpatients. Visits to the Health Center for all purposes during the past year totaled 97,289. This figure does not include 12,904 tuberculin tests given to new students as a part of registration. The increase in visits is 7.3 percent over the preceding year. A complete analysis of visits appears on page 19.

The average number of daily visits for the first semester was 453, and for the second semester, 395. These are analyzed more fully on page 20. The distribution of visits was as follows:

	1966-67		1967-68	
	<u>Number</u>	<u>Percent of Total</u>	<u>Number</u>	<u>Percent of Total</u>
Students	74,542	82.2	80,410	82.7
Staff	15,418	17.0	16,266	16.7
Visitors on Campus	<u>713</u>	<u>.8</u>	<u>613</u>	<u>.6</u>
Total	90,673	100.0	97,289	100.0

Health Center. There were 80,410 student visits to the Health Center. Of this number, 35 percent consulted physicians by appointment and 65 percent came to the clinic without appointment. Altogether, 23,009 different students or 68 percent of the student body visited the Health Center. These visits are classified as to purpose or type of pathology on page 21.

Of the 9,307 new students enrolled on the Urbana campus, 864, or 9.3 percent, had physical examinations made by the Health Service during the pre-registration period, and 8,443 or 91 percent, had physical examinations made by their own physicians.

Immunizations. Free immunizations to students included tetanus, smallpox, influenza, typhoid, poliomyelitis and diphtheria. Mumps, measles, rabies, typhus, cholera, plague, Rocky Mountain spotted fever, and yellow fever were given on request by special arrangement. An itemized list of immunizations appears on page 22.

Tuberculosis Detection. This program has been continued very ably during the past year by Dr. Paul Yardy. Some 12,904 tuberculin skin tests were administered to new students and employees. Positive skin tests were found in 548 and 863 others had a history of positive reaction. The number of 14 x 17 chest films made for follow-up purposes was 5,370. Of these, 78 were suspicious for active disease, resulting in 71 follow-up visits. Active surveillance was continued on 77 persons. Two persons with active tuberculosis were found.

Cardiological Follow-up. All new students whose physical examination forms showed some abnormality and any others suspected of having a cardiological problem during the physical examination at the Health Center were subjected to follow-up examination and study. This included history, physical examination, electrocardiogram, and chest x-ray with barium swallow to demonstrate cardiac enlargement. Among abnormalities demonstrated were the following:

Atrial septal defect, suspected	3
Atrial septal defect with anomalous pulmonary vein	1*

Ventricular septal defect	1*
Mitral stenosis, post-operative, with Starr-Edwards Prothesis	1*
Mitral insufficiency and mitral stenosis	1*
Right ventricular hypertrophy, cause undeter- mined	1*
Paroxysmal atrial tachycardia	2
Paroxysmal atrial tachycardia with Wolff- Parkinson-White syndrome	1
Essential hypertension	3
Pericarditis	1
Sub-acute bacterial endocarditis, acute	1
Innocent heart murmur	4

*Earlier diagnosis elsewhere

Electrocardiograms were made on 576 patients. These included students as well as persons being appraised for disability. Some abnormality was found in 180 of the records, including the following diagnoses:

Atrial tachycardia
Atrial, nodal and ventricular premature beats
Conduction abnormalities including
 first degree A-V block
 Wolff-Parkinson-White syndrome
 left bundle branch block
 right bundle branch block
 incomplete right bundle branch block
Myocardial infarction, remote and acute
ST segment and T wave abnormality
 nonspecific
 diagnostic of pericarditis
Chamber enlargement including both auricles and both ventricles
Arrhythmia including atrial fibrillation
Prolongation of repolarization

Ten exercise electrocardiograms were taken, all of which were within normal limits.

Intra-Staff Consultations. Informal consultation within the Health Service staff continues, with patients being referred to individual physicians having special interest or competence in certain areas. The cryotherapy clinic for the treatment of verrucae was quite active and Dr. Twohey assisted Dr. Hursh in this area. Dr. Brodt continued to see a number of referrals in the field of gastroenterology including cases of peptic ulcer, regional enteritis and chronic ulcerative colitis. Many gynecological problems were referred to Dr. vanDyke and to Dr. Day. Dr. Hopkins, Dr. Yardy and Dr. Langsjoen accepted minor surgical problems of an elective nature for the diagnosis and treatment of sebaceous cysts, skin neoplasms, ingrown toenails, etc. Dr. Brodt and Dr. Brown performed a number of proctosigmoidoscopies for other physicians as well as on their own patients.

Among some of these consultations were the following:

Diabetes mellitus
Fever of unknown origin
Peptic ulcer
Gynecomastia
Anemia
Liver disease, other than hepatitis
Headache
Clubbing of the fingers (one due to mucoviscidosis previously undiagnosed)
Idiopathic thrombocytopenic purpura
Bilirubin conjugating disorder
Psoriatic arthritis
Hypothyroidism
Lactase enzyme deficiency
Regional enteritis
Chronic ulcerative colitis
Pheochromocytoma, suspected

Visiting consultants examined 817 patients. The distribution of these visits was as follows:

<u>Type of Service</u>	<u>1966-67</u>	<u>1967-68</u>
Dermatology	272	261
Ear, Nose & Throat	224	192
Orthopedic	<u>325</u>	<u>364</u>
	821	817

Unusual Clinical Problems. Some of the unusual cases of interest which have presented at the Health Service this year include the following:

Marfan's Syndrome with rupture of aortic valve cusp
Viral pericarditis
Gastrointestinal bleeding from duodenal ulcer one year after surgery for regional enteritis
Hypertension due to chronic pyelonephritis
Salmonella infection
Viral encephalitis
Mediastinal emphysema

Of some interest was the occurrence of an unusual number of cases of influenza, a diagnosis supported by acute and convalescent phase serum studies.

Clinical Conference. In addition to the quarterly McKinley Hospital Staff Meetings at which cases are presented from the hospital patients, a

weekly clinical conference was resumed for the purpose of presentation of interesting or problem cases as well as for general discussion of clinical medicine.

Dr. Hursh has been active in the past in the area of training campus personnel--police and firemen--in cardiopulmonary resuscitation. With the use of the manikin, Resusci-Ann, an on-going program for medical staff, physicians and nurses, was initiated with the hope of gaining and maintaining competence in this important area of emergency care.

Dental Health. There were 2,548 visits to the dentist during the year, of which 205 were recall appointments. Dental x-rays were made for 203 patients. A detailed tabulation of oral pathology appears on page 23.

McKINLEY HOSPITAL

Inpatients. The total number of patients admitted to McKinley Hospital was 1,597. This represents a decrease of 5.5 percent from the previous year. The number of patient days, 4,912, showed a decrease of 18 percent from the preceding year. The average daily patient load was 14.4 and the maximum number of patients in any 24-hour period was 63. Health Service physicians provided hospital care for 81 percent, while community physicians cared for 19 percent. The principal diagnostic categories for inpatients were as follows:

Respiratory system	570
Infectious diseases	238
Digestive system	215
Injuries	215
Mental disorders	104
Genito-urinary system	47
Skin and cellular disease	37
All other conditions	<u>171</u>
Total	1,597

A more detailed diagnostic summary appears on page 25. Students made up 95 percent of all patients. A detailed classification appears on page 27. Departmental services are summarized on page 29.

Emergency Service. The number of patients cared for in McKinley Hospital emergency service last year reached an all-time high, an increase of 33 percent over last year. Over 99 percent of these patients were cared for by Health Service physicians after regular hours. During the academic year, a physician remains in the hospital building through the night and examines all patients.

Medical Staff. At the close of the year, there were 112 physicians on the medical staff of McKinley Hospital, of whom 46 were active members. Another 45 were consulting members and 21 were courtesy staff.

DIVISION OF MENTAL HEALTH

Dr. T. A. Kiersch was relieved of administrative duties at the beginning of the year and the Division functioned under the Director. Because of a vacancy on the staff, there were only three psychiatrists from September 1, 1967 to January 1, 1968, when Dr. Donald Gent was employed. Dr. John Bostrom was added to the staff on March 11, 1968, making five full-time psychiatrists in the Division.

Because of a curriculum change in the Jane Addams School of Social Work, the arrangement by which three second-year social work students were assigned to the Health Service for field work was terminated. The position of social work supervisor was accordingly abolished, and was vacated at the end of the year by the resignation of Dennis Rasmussen.

During the year two new projects were initiated. An interview seminar was conducted in which each staff member did a one-hour initial interview while being observed through a one-way mirror by the rest of the staff. This was followed by a one-hour critique of the interview. A second project was a preventive psychiatry seminar for members of the Campus Religious Workers Association. An average of twelve clergymen and other workers attended the series.

Outpatients. Compared with the preceding year, the number of patients visiting the Mental Health Division decreased by 32, from 1,126 to 1,094. The total number of consultations decreased from 5,772 to 5,115. Patient hours in group therapy increased from 739 to 1179 and the number of sessions from 166 to 203. Nineteen students withdrew from the University because of mental illness. Forty-six students were given a diagnosis of schizophrenic reaction, but only seven of these were obliged to withdraw from school. More complete analyses of Mental Health patients are presented on pages 30-34.

Inpatients. Health Service psychiatrists attended patients in McKinley Hospital for a total of 140 patient days. The previous year, 103 psychiatric patients were hospitalized for 232 patient days.

DIVISION OF ENVIRONMENTAL HEALTH

Sanitation

Off-campus Food Services. During the calendar year ending June 30, all sororities, fraternities, and other off-campus housing units were inspected each semester. Inspections were conducted without prior notice and were well received by all concerned.

Mr. Fella also made periodic inspections of vending machines serving food, as well as the commissary which prepares sandwiches and cookies for vending. Vending stands at the football stadium have been considerably improved and it is anticipated that the remaining recommendations will be carried out.

Mr. Fella also responded to numerous requests to inspect food booths set up for special events on campus and to review proposed food service plans. One instance of suspected food poisoning was investigated but proved to involve only three students. Numerous consultations were also provided concerning lighting, odor, insect and rodent control and pigeon control.

University Facilities. Mr. Fella made inspections of all residence hall food preparation areas every six weeks. All were found to be in excellent condition and only minor suggestions were made.

Routine inspections were also made at Bevier Hall, Illini Union, McKinley Hospital, Allerton House, Hott House, Willard Airport and the football training table.

Sanitary Engineering

Waste Disposal. Mr. Koertge measured the flow from outlets into the Boneyard Creek and reported results to the Physical Plant Department. This included a survey of 104 outlets between Wright Street and Gregory Place. Quantity of flow and quality of material being discharged to the stream were recorded.

Consultations concerning waste disposal facilities were provided for Central Receiving Warehouse, Insect Biological Control Laboratory, Small Homes Council, Small Animal Clinic, Agronomy Seed House and Veterinary Research Farm.

As a consequence of consultation with the Physical Plant, an engineering company will be retained to make a complete survey of garbage-refuse disposal from campus laboratories.

Swimming Pools. Discussions were continued with the Campus Architect's Office concerning plans for proposed new swimming pools at the Intramural Building and the Women's Gymnasium. Mr. Koertge reports that the Physical Plant continues its excellent operation and maintenance of the three existing swimming pools on the campus.

Water Supply and Plumbing. Prevention of backflow of contaminated water to the campus drinking water supply continues to be a matter of considerable concern. The serious possibility of backflow from stadium

toilets led to a recommendation that the drinking water supply for the drinking fountains be turned off during football games. This was prompted by the absence of vacuum breakers in the toilets and the increased height of the new press box. The quality of drinking water continues to be satisfactory as indicated by analyses performed by the State Health Department.

Sanitation Plan Review. The following plans were reviewed at the request of the Campus Architect's Office: Intramural Physical Education Building, Women's Gymnasium Swimming Pool, Turner Hall Greenhouse, Personnel Services Building, Orchard Downs Laundry Room, Civil Engineering Building, Phase IIa.

Improvements. The new microbiology laboratory was placed in operation during the year. The standby facility for radioactive decontamination was also completed during the year. Other improvements have included the installation of a new walk-in refrigerator and a new dishwasher in the Dietary Department, both relocated for maximum sanitation. Other improvements included a new sterilizer for Central Supply and remodeling of the front entrance and the receptionist area of the hospital.

DIVISION OF HEALTH SCIENCE

Undergraduate. The following table shows the courses offered at the undergraduate level by the Health Service through the Division of Health Science during the past year.

	First Semester		Second Semester		Summer Session		Total	
	<u>Sec.</u>	<u>Stud.</u>	<u>Sec.</u>	<u>Stud.</u>	<u>Sec.</u>	<u>Stud.</u>	<u>Sec.</u>	<u>Stud.</u>
104 The Science of Personal Health	1	16	1	37	0	0	2	53
110 Public Health	1	11	1	13	0	0	2	24
200 Mental Health	1	30	1	45	1	20	3	95
206 Sex Education & Family Life	8	294	10	421	2	99	20	814
216 Medical Terminology	<u>1</u>	<u>34</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>34</u>
	12	385	13	516	3	119	28	1020

Although no longer required course by any department, it is anticipated at least one section of Health Science 104, the Science of Personal Health, will continue to be offered each semester to accommodate students taking it as an elective or to fill a health requirement. Health Science 110, Public Health, serves a small select group including a few from the College

of Physical Education who have need for a general picture of the field of public health at the freshman-sophomore level.

The demand for Health Science 206, Sex Education and Family Life, has steadily increased, there being 814 enrollments for 1967-68 compared to 654 for the previous year. This is interpreted as being primarily due to the students' increasing desire for knowledge in these aspects of life and to the unique advantages accruing from instruction by physicians.

Health Science X104, The Science of Personal Health, a correspondence course not listed above, has now been offered for its first full year. This course is a non-laboratory science course for two hours semester credit and parallels the on-campus Health Science 104 course.

Graduate. Dr. T. A. Kiersch, psychiatrist in the Division of Mental Health, collaborated in the teaching of three courses, Social Work 451, 452, 454, Dynamics of Human Development, in the Jane Addams School of Social Work during the year. Three second-year graduate students in the School of Social Work were assigned to the Mental Health Division throughout the year for staff instruction in social casework.

Dr. Henry Teigler collaborated in teaching Physiology 472, Human Physiology Seminar, during the spring semester. A summary of Health Science and Hygiene enrollments appears on page 38.

OCCUPATIONAL HEALTH

Because of its close relationship to Environmental Health, Occupational Health has been the responsibility of Dr. Laurence M. Hursh, Associate Director and Head of the Division of Environmental Health. In the area of occupational hygiene, he has been assisted by Henry Koertge, sanitary engineer.

Preplacement Examinations. All candidates for employment, both academic and nonacademic, are given physical examinations by the Health Service as a part of the employment procedure. The examination includes visual and auditory screening, urinalysis, hematocrit, white count, differential and serological test. Persons over 40 have a chest x-ray. Other procedures are added if indicated.

During the past year, 4,692 preplacement physical examinations were conducted by the Health Service staff.

Periodic Examinations. Persons employed as food handlers for longer than a seven-day period are given an annual screening test for tuberculosis, either by skin test or 14 x 17 chest film. The number of such examinations performed during the year was 1,035.

Other periodic examinations include blood counts, hematocrits, differential counts for employees working with radioactive materials. The total of such procedures was 165.

Another type of periodic examination is the audiogram for employees working where noise levels exceed 85 decibels. For staff members, 31 audiograms were made during the year.

Immunizations. All employees are required to have the tuberculin skin test and the smallpox vaccination at the time of employment unless they have been taken recently elsewhere. The smallpox vaccination must be repeated if no major reaction occurs within five days. Immunizations administered to staff members are shown on page 22.

Emergency Service. A physician is available in McKinley Hospital all night to care for on-the-job accidents except when students are away. A psychiatrist is always on call.

Accidental Injuries. During the year there were 1,057 on-the-job accidents reported on the Champaign-Urbana campus, compared with 1,116 for the preceding year.

Disability Examinations. Health Service physicians provided service to the State Universities Retirement System by making 124 examinations to certify disability. Health Service physicians also issued 548 return-to-work permits.

It is noteworthy that 39 percent of the disability in Health Service employee examinations was caused by diseases of the cardiovascular system, and 19 percent was caused by chronic airway obstructive diseases (emphysema, fibrosis, and bronchitis). The latter conditions are reported by the USPHS to be increasing at the rate of 100 percent every five years.

Occupational Hygiene. Several complaints relating to air pollution and industrial hygiene were investigated during the year. Toxic materials investigated included mercury, acetaldehyde, decaborane, natural gas, lead and some unknown materials.

In cooperation with the Physical Plant, a sound survey of Abbott power plant was made. Measures have been taken to reduce the sound level, where possible, and recommendations for maximum time limits have been submitted for those working in specific areas without ear protection.

Health Counseling for Foreign Travel. The Health Service continues to offer counseling to students and staff who plan foreign travel. After a review of immunizations, prescriptions are provided for prophylactic drugs

and precautions in regard to food and drink are explained. During the past year, 85 staff members and 60 students requested conferences on foreign travel.

OTHER MEDICAL SERVICES

State Universities Retirement System. The number of disability claims processed by the office of the medical director has increased steadily as new schools have been brought into the System. The following table indicates the claims handled during the past year.

	<u>New</u>	<u>Recheck</u>
U. of I. - Urbana (Including all participating institutions on campus)	87	160
U. of I. - Chicago Circle Campus	13	24
U. of I. - Chicago Medical Center	58	100
U. of I. - Division of Services for Crippled Children	--	1
Board of Governors of State Colleges and Universities	--	1
Chicago City College - Bogan Campus	1	--
Loop Campus	2	3
Mayfair Campus	2	--
Wilson Campus	1	1
Chicago State College	1	--
Eastern Illinois University	6	15
Illinois State University	9	24
Northern Illinois University	15	12
Northeastern Illinois State College	3	--
Southern Illinois University	32	59
Triton College	1	--
Waubonsee Community College	1	--
Western Illinois University	<u>5</u>	<u>13</u>
	237	413

Rehabilitation-Education Center. Dr. M. D. Kinzie is assigned to provide medical care and supervision at the Rehabilitation-Education Center on a one-third of full time basis. The 205 handicapped students who are cared for at the Center made a total of 1,568 visits for medical attention, compared with 1,312 visits last year.

The following table indicates the number of patients and consultations according to handicap:

Disability Type of Handicap	Number of Students		Number of Consultations	
	<u>1966-67</u>	<u>1967-68</u>	<u>1966-67</u>	<u>1967-68</u>
Post Poliomyelitis	75	75	324	374
Spinal Cord Lesion	50	52	691	849
Visually Handicapped	27	25	51	45
Cerebral Palsy	21	23	138	196
Muscular Dystrophy	7	2	24	9
Amputee	7	5	16	2
Other	<u>19</u>	<u>23</u>	<u>68</u>	<u>93</u>
Total	206	205	1312	1568

Accident Compensation Committee

Dr. M. D. Kinzie was assigned to serve as medical advisor to the Accident Compensation Committee, on a one-third of full-time basis. He was assisted by a full-time secretary. He attended six meetings of the Accident Compensation Committee and ten subcommittee meetings. The following is a summary of accident claims reviewed:

	<u>1966-67</u>	<u>1967-68</u>
Champaign-Urbana on-the-job accidents	1116	1057
Chicago Campuses on-the-job accidents	68	84
Dixon Springs on-the-job accidents	8	5
Allerton Park on-the-job accidents	11	12
Public Liability accidents (all campuses and Divisions)	<u>14</u>	<u>4</u>
	1217	1162

RESEARCH

Four research projects are presently in progress in the Health Service, as follows:

"Rabies Immunoprophylaxis Program"

E. W. Cavins, M.D. and Laurence M. Hursh, M.D.

This study continues as it has in the past and has reached a point where it is almost a service to the Veterinary Medicine students as well as a research project. Very accurate records on antibody titers are maintained on all participants. In addition, a purified material is now being used so that side effects are reduced and smaller quantities of the vaccine are effective.

"A Study of Necrotizing Ulcerative Gingivitis in College Students,"
Robert L. Hass, D.D.S.

This study has reached the point of statistical analysis and the data have been forwarded to the Statistical Services Unit in preparation for writing a final paper for publication.

"Tuberculin Conversion Rate in Upperclassmen of the University of Illinois,"

Paul W. Yardy, M.D. and Bruce L. Brown, M.D.

Collection of data continues in this project. It is anticipated that a paper will be forthcoming soon.

"The Effect of 22, 25-Diazacholesterol Dihydrochloride on the Fertility of Pigeons in Their Natural Habitat,"

Gale A. Fella, M.P.H. and L. M. Hursh, M.D.

This study has continued on a larger scale during the past year, following a pilot program in 1966. The effect upon the gonads of SC 12937, the chemical substance being tested, is being ascertained by histopathological examination of birds trapped in various sites. Analysis of these data is expected to provide definitive information regarding the possibility of pigeon population control by this means.

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ACKNOWLEDGEMENTS

The progress of the past ten years has been made possible by the consistent support of President Henry and his associates during my tenure, Provost Gordon Ray and Executive Vice President Lyle Lanier. They all maintained a personal interest in seeing the quality of medical personnel and service brought up to a high level.

The progress of the past few years has also been facilitated by the assistance of my three colleagues, Associate Director Laurence M. Hursh; Dr. Bruce Brown, Head of the Division of Clinical Medicine; and Dr. Loren Akers, Head of the Division of Health Science. They have been unstinting in giving their own time for the welfare of the Health Service and its patients, and have shown a steady loyalty during a disruptive period. To many other loyal and devoted members of the staff my sincere gratitude is here acknowledged.

This is my tenth and last annual report as Director, since it has seemed preferable to relinquish administrative responsibilities at the midpoint of my biennial appointment. As these responsibilities pass to Dr. Hursh and the Health Service Advisory Committee, I extend my sincere wishes for continuing progress.

Respectfully submitted,

Orville S. Walters, PhD, MD, FACP

Table 1

DIVISION OF CLINICAL MEDICINE

Outpatients -- Visits by Type of Service

			<u>Per Cent of Total</u>
STUDENTS			
Clinic	(64.7 per cent)	52,025	
Appointment	(35.3 per cent)	28,385	
Total Student Visits		80,410	82.7
STAFF			
Physical Examinations (Acad., C.S., and Recheck)	3,815		
Return Visits related to			
Physical Examinations	4,391		
Physical Therapy	467		
On-the-Job Accidents (new)	1,057		
On-the-Job Accidents (follow up) Surgical	563		
Medical	787		
Mental Health Division	87		
Permit to Return to Work	532		
Disability Evaluation	124		
Immunizations (not related to Physical Examinations)	3,416		
Food Handler X-Rays	355		
Dental	7		
Foreign Travel Counseling	85		
Medical Conference	118		
Non-Clinical Consultation	<u>462</u>		
Total Staff Visits		16,266	16.7
Visitors on Campus		<u>613</u>	<u>.6</u>
Total Visits to Health Center (1967-1968)		97,289	100.0
Last Year (1966-1967)		<u>90,673</u>	
Increase (7.3 per cent)		6,616	

Table 2

DIVISION OF CLINICAL MEDICINE

Outpatients -- Average Daily Visits

	<u>1967-68</u>	<u>1966-67</u>	<u>1965-66</u>
FIRST SEMESTER (9-14-67 through 1-23-68)			
Average Daily Visits, Mondays through Fridays	453	388	382
Average Daily Visits, Saturdays (Half Days)	94	80	101
SECOND SEMESTER (2-1-68 through 6-15-68)			
Average Daily Visits, Mondays through Fridays	395	346	352
Average Daily Visits, Saturdays (Half Days)	73	133	103
SUMMER SESSION, 1967			
Average Daily Visits, Mondays through Fridays	252	236	214
Average Daily Visits, Saturdays (Half Days)	45	46	53
FULL YEAR (7-1-67 through 6-30-68)			
Average Daily Visits, Mondays through Fridays	371	336	325
Average Daily Visits, Saturdays (Half Days)	73	112	83
Number of Weekdays Operating	254	256	253
Number of Saturdays Operating (Half Days)	43	42	41

Table 3

DIVISION OF CLINICAL MEDICINE

Outpatients -- Summary by Primary Diagnosis
(International Classification of Diseases)

Infective and Parasitic (002-138)	1393	
Neoplasms (140-239)	180	
Allergic, Endocrine, Metabolic & Nutritional (240-289)	937	
Blood and Blood-Forming Organs (290-299)	39	
Mental, Psychoneurotic & Personality Disorders (300-329)	601	
Nervous System and Sense Organs (330-398)	1330	
Circulatory System (400-468)	319	
Respiratory System (470-527)	8105	
Digestive System (530-587)	1800	
Genito-Urinary System (590-637)	989	
Complications of Pregnancy (640-689)	24	
Skin and Cellular Tissue (690-716)	2881	
Bones and Organs of Movement (720-749)	704	
Congenital Malformations (750-759)	34	
Symptoms and Ill-Defined Conditions (780-795)	<u>193</u>	23,603
Injuries (800-999)		
Fractures (800-826)	228	
Dislocation without Fracture (830-839)	39	
Sprains & Strains of Joints & Adjacent Muscles (840-848)	1819	
Head Injury (excluding skull fracture) (850-856)	71	
Internal Injury of Chest, Abdomen & Pelvis (860-869)	--	
Laceration and Open Wound (870-898)	840	
Superficial Injury (910-918)	481	
Contusion & Crushing with Intact Skin Surface (920-929)	973	
Foreign Body Entering Through Orifice (930-936)	94	
Burn (940-949)	172	
Injury to Nerves and Spinal Cord (950-959)	1	
Other Adverse Effects (990-999)	<u>58</u>	4,776
Special Conditions & Esaminations Without Sickness (Y00-Y39)		
General Medical Examination (Y00.0)	9884	
Radiological Examinations (Chest) (Y00.1)	2017	
Radiological Examinations (Other than Thorax) (Y00.2)	2190	
Laboratory Examination (Y00.3)	6541	
Skin Immunity Test (Including Tbc) (Y01.1)	3677	
Skin Test Reading (Y01.2)	5345	
Prophylactic Inoculation & Vaccination (Y02)	7481	
Follow-up Esamination of Inactive Tbc (Y03)	175	
Contacts with Infective & Parasitic Diseases (Y04)	8	
Other Persons Without Complaint or Illness (Y09)	7000	
Surgical Aftercare or Convalescence (Y10.1)	2829	
Medical Aftercare or Convalescence (Y10.2)	18495	
Dental Aftercare (Y10.3)	195	
No Disease Found (Y00)	423	
Deferred for Additional Information (Y19)	<u>2650</u>	<u>68,910</u>
Total		97,289

Table 4

DIVISION OF CLINICAL MEDICINE

Outpatients -- Immunizations

	<u>Student</u>	<u>Staff</u>	<u>Total</u>
Smallpox	2,030	3,461	5,491
Influenza	2,852	1,630	4,482
Typhoid Paratyphoid	1,342	410	1,752
Tetanus Toxoid	1,064	534	1,598
Typhus	444	163	607
Rabies	340	36	376
Polio	247	107	354
Rocky Mt. Spotted Fever	39	2	41
Oral Polio	709	141	850
Yellow Fever	147	90	237
Gamma Globulin	137	97	234
Plague	32	19	51
Cholera	177	130	307
Tetanus & Diphtheria	<u>1,013</u>	<u>358</u>	<u>1,371</u>
Total	10,573	7,178	17,751

Table 5

DIVISION OF CLINICAL MEDICINE

Outpatients -- Dental Pathology

VINCENT'S INFECTION (initial)	83
CHRONIC VINCENT'S INFECTION (recurrent)	14
Exostosis: torus palatinus or mandibulare	2
Antral polyp	2
DENTAL CARIES	
530.0 unqualified	138
530.1 with pulp exposure	3
530.2 with periapical abscess, includes alveolar and gum	67
530.9 with other conditions, pulpitis, petrescent pulp	68
ABSCESSSES OF SUPPORTING STRUCTURES OF THE TEETH	
531.1 Peridental (parietal), includes alveolar	14
OTHER INFLAMMATORY DISEASES OF SUPPORTING STRUCTURES OF THE TEETH	
532.0 Gingivitis, excludes Vincent's (070) and stomatitis (536)	95
532.1 Periodontitis, pericementitis, inflammatory pyorrhea, traumatic	9
532.2 Periodontosis, atrophic, periodontoclasia, degenerative pyorrhea	1
532.3 Pericorinitis, hyperplasia, hypertrophy, ulcer of gum	163
DISORDERS OF OCCLUSION, ERUPTION AND TOOTH DEVELOPMENT	
533.2 Impacted teeth	100
533.3 Unerupted teeth	8
533.4 Partially erupted teeth	8
533.9 Other, dry socket	3
ODONTALGIA -- Toothache from unspecified cause, sensitive teeth	54
OTHER DISEASES OF TEETH AND SUPPORTING STRUCTURES	5
STOMATITIS -- Canker sore, ulcerative and aphthous stomatitis	247
DISEASES OF SALIVARY GLANDS	
537.0 Inflammatory, abscess, infection, adenitis, sialadentitis	1
537.1 Calculus	2
OTHER DISEASES OF BUCCAL CAVITY	
538.0 Inflammatory diseases: cellulitis of floor of mouth, cheek, tongue	16
538.9 Other: black hairy tongue, geographic tongue, mucocele	13
Cellulitis of jaw	75
Diseases of temporomandibular joint	11
Pain in the temporomandibular joint	24
FRACTURE OF UPPER OR LOWER JAW	17
Fractures of the teeth, without complications	88
Fractures of the teeth, with complications (lacerations of lip, etc.)	13
Complications of surgical procedures	4
Halitosis	9
Burns of lips and buccal cavity	<u>2</u>
Total	1359

Table 6

DIVISION OF CLINICAL MEDICINE

Outpatients -- Physical Examinations

<u>Type</u>	<u>Student</u>	<u>Staff</u>	<u>Total</u>
Civil Service (102)	145	2,089	2,234
Academic (101)	991	1,467	2,458
Food Handler Certificate (108)	1,035	49	1,084
Student (114)	660	203	863
Student Teaching (117)	860	27	887
Pre-Marital (111)	581	11	592
Recheck (113)	51	259	310
Dental (105)	247	7	254
Visual Acuity (115)	126	4	130
FAA (107)	152	4	156
Hearing Test (109)	26	2	<u>28</u>
Total			8,996

Table 7

McKINLEY HOSPITAL

Inpatients -- Summary by Diagnosis
(International Classification of Diseases)

	<u>Inpatient</u> <u>(Hospital)</u>	<u>Outpatient</u> <u>(Emergency Room)</u>
Infection and Parasitic (002-138)	238	206
Neoplasms (140-239)	12	18
Allergic, Endocrine, Metabolic, Nutritional (240-289)	35	149
Blood and Blood Forming Organs (290-299)	2	1
Mental, Psychoneurotic, & Personality Disorders (300-329)	72	126
Nervous System and Sense Organs (330-398)	24	301
Circulatory System (400-468)	19	69
Respiratory System (470-527)	570	1529
Digestive System (530-587)	215	460
Genito-Urinary System (590-637)	47	156
Complications of Pregnancy (640-689)	1	3
Skin and Cellular Tissue (690-716)	37	227
Bones and Organs of Movement (720-749)	27	109
Congenital Malformations (750-759)	1	2
Symptoms and Ill-Defined Conditions (780-795)		
Symptoms Referable to Nervous System and Special Senses (780-781)	7	36
Symptoms Referable to Cardiovascular and Lymphatic Systems (782)	11	32
Symptoms Referable to Respiratory System (783)	5	48
Symptoms Referable to Upper Gastrointestinal System (784)	4	32
Symptoms Referable to Abdomen and Lower Gastrointestinal Tract (785)	7	46
Symptoms Referable to Genito-Urinary System (786)	10	10
Symptoms Referable to Limbs and Back (787)	0	19
Other General Symptoms (788)	9	26
Abnormal Urinary Constituents of Unspecified Cause (789)	3	6
Nervousness and Debility (790)	9	20
Headache (791)	4	33
Uremia (792)	0	1
Observation Without Need for Further Medical Care (793)	0	52

Table 7 - Continued

	<u>Inpatient</u> <u>(Hospital)</u>	<u>Outpatient</u> <u>(Emergency Room)</u>
Ill-Defined and Unknown Causes of Morbidity and Mortality (795)	0	151
Total Symptoms and Ill-Defined Conditions	(69)	(512)
Injuries (800-999)		
Fractures (800-826)	38	111
Dislocations Without Fracture (830-839)	20	58
Sprains and Strains of Joints and Adjacent Muscles (840-848)	44	605
Head Injury (excluding skull fracture) (850-856)	35	127
Internal Injury of Chest, Abdomen, and Pelvis (860-869)	1	2
Laceration and Open Wound (870-898)	14	795
Superficial Injury (910-918)	3	235
Contusion and Crushing with Intact Skin Surface (920-929)	35	528
Foreign Body Entering Through Orifice (930-936)	2	74
Burn (940-949)	0	145
Injury to Nerves and Spinal Cord (950-959)	0	0
Adverse Effects of Chemical Substances (960-989)	19	49
Other Adverse Effects (990-999)	4	29
Total Injuries	(215)	(2758)

Table 8

McKINLEY HOSPITAL

Inpatients -- Classification

	1967-68		1966-67	
	<u>Patients</u>	<u>Per Cent</u>	<u>Patients</u>	<u>Per Cent</u>
Students	1513	94.75	1604	94.96
Student Family	2	.10	1	.06
Staff	42	2.64	46	2.72
Staff Family	5	.32	6	.36
Extension Student	15	.94	18	1.06
University High School Student	0		0	
Campus Visitor	19	1.19	5	.30
Non-University	<u>1</u>	<u>.06</u>	<u>9</u>	<u>.54</u>
Total	1597	100.00	1689	100.00

Table 9

McKINLEY HOSPITAL

Emergency Service -- Classification of Patients

	<u>Number of Patients</u>	<u>Per Cent</u>
Freshmen	1468	23.40
Sophomore	1218	19.45
Junior	1090	17.38
Senior	875	13.95
Graduate or Professional	1094	17.44
Extension, Short Course or Irregular	113	1.80
Academic Staff on the Job	0	0
Civil Service on the Job	111	1.77
University Employee Off the Job	66	1.03
Not University Connected	<u>237</u>	<u>3.77</u>
Total	6272	100.00

Table 10

McKINLEY HOSPITAL

Emergency Service -- Comparison by Years

	<u>Number of Patients</u>
1958-59	875
1959-60	1,539
1960-61	2,271
1961-62	2,730
1962-63	3,261
1963-64	3,716
1964-65	4,105
1965-66	5,051
1966-67	4,720
1967-68	6,272

Table 11

McKINLEY HOSPITAL

Departmental Services

		<u>1967-68</u>	<u>1966-67</u>	<u>Per Cent Increase or Decrease</u>
Radiography, Patients		10,083	10,425	-3.20
Health Center	8,778		9,170	
Hospital	1,295		1,255	
Radiography, Procedures		20,926	21,969	-4.70
Health Center	17,084		18,078	
Hospital	3,842		4,891	
Fluoroscopy, Patients		353	333	6.00
Health Center	298		264	
Hospital	55		69	
Laboratory Procedures		92,194	59,210	55.55
Health Center	74,765		46,016	
Hospital	17,429		13,194	
Physical Therapy, Patients		3,174	3,903	-18.67
Health Center	2,645		3,238	
Hospital	529		665	
Physical Therapy, Treatments		3,724	4,632	-17.43
Health Center	3,116		3,799	
Hospital	608		833	

Table 12

DIVISION OF MENTAL HEALTH

Utilization of Service

	<u>Number of Patients</u>	<u>Rate per 1000 Students</u>	<u>Number of Consultations</u>	<u>Per Cent Increase</u>
1958-59	208	8.6		
1959-60	395	15.9	1935	9.0
1960-61	480	18.5	2152	21.5
1961-62	540	19.7	3120	12.5
1962-63	649	24.5	3801	20.2
1963-64	832	27.6	3970	28.2
1964-65	906	31.2	3660	8.9
1965-66	1021	33.9	4641	11.2
1966-67	1126	35.6	5772	9.3
1967-68	1094	33.6	5115	-2.9

Table 13

DIVISION OF MENTAL HEALTH

Types of Illness

	<u>1967-68</u>		<u>1966-67</u>	
	<u>Patients</u>	<u>Per Cent</u>	<u>Patients</u>	<u>Per Cent</u>
Psychoneurosis	201	18.3	262	23.3
Personality Disorders	350	32.0	357	31.8
Psychophysiological Reaction	61	5.6	50	4.5
Transient Situational				
Personality Disorders	278	25.4	226	20.1
Psychoses	58	5.3	73	6.2
Without Mental Illness	81	7.4	103	9.2
No Diagnosis	28	2.6	26	2.3
Organic Brain Disorders	24	2.2	29	2.6
Information Only	<u>13</u>	<u>1.2</u>	<u> </u>	<u> </u>
Total	1094	100.0	1126	100.0

Table 14

DIVISION OF MENTAL HEALTH

Duration of Treatment

	1967-68		1966-67	
	<u>Number of</u> <u>Patients</u>	<u>Per Cent</u>	<u>Number of</u> <u>Patients</u>	<u>Per Cent</u>
1 hour	332	30.4	332	29.5
2 hours	245	22.4	224	19.9
3 hours	114	10.4	119	10.6
4 hours	87	8.0	91	8.1
5 hours	58	5.3	54	4.8
6 to 10 hours	141	13.0	161	14.3
Over 10 hours	<u>117</u>	<u>10.5</u>	<u>145</u>	<u>12.8</u>
Total	1094	100.0	1126	100.0

Table 15

DIVISION OF MENTAL HEALTH

Classification of Patients

	1967-68		1966-67	
	<u>Number</u>	<u>Rate per 1000</u>	<u>Number</u>	<u>Rate per 1000</u>
Students	(996)	(33.6)	(1009)	(35.6)
Freshmen	140	22.7	145	25.0
Sophomores	162	35.7	194	38.7
Juniors	179	36.9	168	38.1
Seniors	179	33.3	159	34.2
Master's Candidates	189	58.3	217	54.3
Doctoral Candidates	120	27.7	111	27.7
Unclassified	27	--	15	--
International Students	(41)	(33.0)	(47)	(39.2)
Non-Students	(98)		(117)	
Spouse	19		18	
Nonacademic	60		85	
Faculty	14		9	
Faculty Family	2		1	
Other	<u>3</u>		<u>4</u>	
Total	1094		1126	

Table 16

DIVISION OF MENTAL HEALTH

Disposition of Patients

	1967-68		1966-67	
	<u>Number of</u> <u>Patients</u>	<u>Per Cent</u>	<u>Number of</u> <u>Patients</u>	<u>Per Cent</u>
Further treatment not indicated	957	87.5	880	78.1
Receiving therapy at end of year	46	4.2	126	11.2
Referred to other agencies:				
Student Counseling Service	22	2.0	27	2.4
Private psychiatric care	13	1.0	26	2.3
State mental hospital	1	.1	11	1.0
Outpatient psychiatric clinic	20	1.9	19	1.7
Private mental hospital	1	.1	1	.1
Private physician	27	2.5	20	1.7
Social casework agency	1	.1	3	.3
Other psychiatric inpatient agency	1	.1	1	.1
Other	<u>5</u>	<u>.5</u>	<u>12</u>	<u>1.1</u>
Total	1094	100.0	1126	100.0

Table 17

DIVISION OF MENTAL HEALTH

Sources of Referral

	1967-68		1966-67	
	<u>Patients</u>	<u>Per Cent</u>	<u>Patients</u>	<u>Per Cent</u>
Health Service Physicians	279	25.5	333	29.5
Self-Referred	505	46.3	509	45.5
Security Office	8	.7	10	1.0
Academic Dean	22	2.0	16	1.4
Other Physician	46	4.2	48	4.2
Student Counseling Service	42	4.1	37	3.2
Administrative Dean	19	1.7	37	3.2
Clergy or Religious Advisor	13	1.1	12	1.2
Other Student	71	6.5	59	5.2
Faculty Member	28	2.5	5	.4
Housing Counselor	9	.8	8	.7
Champaign County Mental Health Clinic	5	.4	1	.1
Family Service	1	.1	3	.2
Psychological Clinic	1	.1	1	--
Parent	23	2.0	12	1.1
Other Off-Campus Agencies	<u>22</u>	<u>2.0</u>	<u>35</u>	<u>3.1</u>
Total	1094	100.0	1126	100.0

Table 18

DIVISION OF ENVIRONMENTAL HEALTH

Sanitation Inspections

	<u>Number of Inspections</u>
Residence Halls	41
Fraternities	103
Sororities	55
Men's Off-Campus Housing	36
Women's Off-Campus Housing	28
Snack Bars	8
University Facilities	27
Vending Machines	81
Miscellaneous	<u>49</u>
Total	428

Table 19

DIVISION OF ENVIRONMENTAL HEALTH

Accidental Injuries by Location

	<u>Health Center</u>	<u>McKinley Hospital Emergency Room</u>	<u>Total</u>
On-Campus Location			
Athletic Facility	910	525	1,435
Residence Hall	421	247	668
Academic Building	249	66	315
Laboratory	285	71	356
Street, Walk, Steps	247	117	364
Grounds	142	68	210
Service Building	113	41	154
Shop	76	11	87
Place of Public Assembly	39	43	82
Other	<u>131</u>	<u>35</u>	<u>166</u>
Total	2,613	1,224	3,837
Off-Campus Location			
Home or Other Residence	479	402	881
Street or Highway	176	166	342
Fraternity or Sorority	160	168	328
Recreation Area	158	117	275
Walkways	42	82	124
Store, etc.	19	15	34
Place of Employment	111	14	125
Other	<u>60</u>	<u>73</u>	<u>133</u>
Total	1,205	1,037	2,242
Total Accidents	3,818	2,261	6,079

Table 20

DIVISION OF ENVIRONMENTAL HEALTH

Injuries in Various Sports

	<u>Health Center</u>	<u>McKinley Hospital Emergency Room</u>	<u>Total</u>
Football	244	158	402
Basketball	214	149	363
Baseball	83	39	122
Volleyball	75	13	88
Personal Defense	43	6	49
Swimming	28	22	50
Wrestling	44	27	71
Ice Skating	40	8	48
Handball	47	18	65
Tennis	32	12	44
Soccer	2	3	5
Other	<u>429</u>	<u>151</u>	<u>580</u>
Total	1,281	606	1,887

Table 21

DIVISION OF HEALTH SCIENCE

Annual Enrollments

	Course Number					<u>Total</u>
	<u>104</u>	<u>110</u>	<u>200</u>	<u>206</u>	<u>216</u>	
1958-59	1126	105	--	406	17	1654
1959-60	1459	144	38	403	16	2060
1960-61 *	1370	172	27	371	10	1950
1961-62	1249	115	51	394	20	1829
1962-63	943	117	75	551	15	1701
1963-64	804	93	131	677	25	1730
1964-65 **	678	70	102	590	25	1465
1965-66	326	26	67	568	21	1008
1966-67	111	26	54	654	25	870
1967-68	53	24	95	814	34	1020

* Last year of required Health Science for Commerce students

** Last year of required Health Science for students in Physical Education for Men and Elementary Education

Summer enrollment included

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