

# CHAPTER 1

## SECTION I

### GENERAL

1. **Authorization.** This Mobilization Training Program is issued in compliance with MR 3-1.

2. **Purpose.** The purpose of this program is to furnish a general guide for the balanced training of Medical Department units so that they may be prepared to take the field on short notice.

3. **Application.** a. The training programs apply to all types of medical units and installations. Based upon these programs training schedules will be prepared by the responsible unit commanders.

b. The instruction day is 8 hours with 4 hours on Saturday. More time per day may be utilized when desirable, especially in connection with marches, field exercises, and the like. The open time will be used to compensate for interruptions; to bring individuals or units up to standard; to provide refresher training; or for purposes of mass athletics, competitive games, and morale building in general.

c. In order to obtain the latest references it is essential to consult the most recent edition of FM 21-6, which contains a list of training publications, training films (sound and silent), and film strips. This manual is frequently revised. Ordinarily, field and technical manuals, training films and film strips will contain sufficient instructional matter for training purposes. Army Regulations should also be used.

4. **Modifications.** The programs may require modification to adapt them to training for the type of medical unit in which the individuals are being trained; to shorten or lengthen the time of training in order to conform to the time available; to make the best use of existing facilities and of training expedients; and to conform to the climatic or other conditions affecting the training situation. Progressive and balanced training in subjects essential to accomplish the training mission must, however, be observed at all times.

5. **Scope of instruction.** a. General training will be conducted in accordance with the doctrine prescribed in FM 21-5, TF 7-295, and TM 1-1000.

b. **First or basic period (1st and 2d weeks for all men).** The preliminary training of the individual enlisted man will be stressed. At the end of this period he should be able to wear properly, display, and care for his uniform and equipment; understand and correctly practice indoor and outdoor military courtesies; and have an applicatory knowledge of the essentials of all basic subjects prescribed in this program.

c. **Technical period (3d - 10th weeks, inclusive).** Training of the individual enlisted man continues, but emphasis is placed upon fundamental technical subjects which will fit him for actual practice or further training in a medical unit or installation. In addition to the

technical subjects, specialist (common or administrative specialties) training, tactical and logistical training is begun.

**d. Tactical period (11th - 13 weeks, inclusive).** This period should be devoted largely to field and applicatory exercises. At the end of this period personnel intended for tactical medical units should be able to march and execute tactical movements with facility, establish and operate stations, collect and treat casualties in the field during day or night, operate battalion or regimental aid stations, and participate with the associated arms both in field exercises and under combat conditions. Generally, personnel intended for professional units or installations should be able to qualify as ward attendants, either medical or surgical, and have sufficient technical knowledge to act as basic technicians in Medical Department specialties. It is not contemplated that training under these programs will qualify either medical or surgical technicians for the higher ratings in the Medical Department. For individuals qualified to receive further training in Medical Department specialties, such as dental, laboratory, pharmacy, veterinary, x-ray, medical, and surgical technicians, application may be made to The Surgeon General for attendance at the Medical Department enlisted technicians' school for enlisted specialists courses. Men so qualified may be selected by the end of the 8th to 10th week of training.

**e. Subjects.** (1) **Basic period.** The essential minimum of military training consists of the following instruction, the foundation of which must be completed within the first two (2) weeks:

(a) **Military courtesy and discipline.** An understanding of the necessity for discipline, the punitive Articles of War, the penalties for violation, and the methods of administering military justice. Instruction in the essentials of correct military conduct should be supplemented by continuous attention to its application during all subsequent training.

(b) **Personal hygiene, sanitation and first aid.** An understanding of the importance of personal hygiene (including sex hygiene), the prevention of venereal disease; group sanitation and the rules for maintaining sanitary conditions, particularly in the field; an understanding of the proper rendering of first aid to the wounded and gassed, and practice in the use of the first aid packet, splints and tourniquets.

(c) **Equipment, clothing, and tent pitching.** Practical knowledge of the correct manner of displaying clothing and equipment; the care and preservation of arms, equipment and clothing; the assembling and adjusting of the pack, and care of individual equipment; the pitching and striking of shelter tents; and inspection of formations.

(d) **Physical training.** Participation in group calisthenics for improving the physical condition of the individual.

(e) **Interior guard and drill for foot troops.** Ability to execute individual movements and those of close and extended order formations, with reasonable precision; to have a practical knowledge of the duties of a sentry on interior guard duty.

**(f) Nomenclature and care of organizational equipment.**

This time is to be utilized in familiarizing individuals with equipment and supplies peculiar to the Medical Department and with the proper care of equipment.

**(g) Marches and bivouacs.** An understanding of march discipline and technique; ability to march with a unit carrying full field equipment, and to occupy and break bivouac. During this training opportunities should be created for supplementing and practicing the instruction contained in **(b)**, **(c)**, **(e)**, and **(h)**.

**(h) Individual defense measures.** Practice in the use and wearing of the gas mask. Identification and means of defense against hostile chemical agents; elementary knowledge of how and when the enemy may use such agents. Knowledge of the essentials of scouting and patrolling, and the use of cover and concealment. An understanding of the location and construction of individual shelter and the use of camouflage. A knowledge of the markings identifying friendly and hostile aircraft and armored troops, and measures for antiparachute, antiaircraft, and antimechanized defense.

**(2) Technical, tactical, and logistical.** Technical and tactical employment of a medical field unit including establishment and operation of stations; collection and treatment of casualties in the field; the operation of regimental and battalion dispensaries; and the preparation for participation with the associated arms in field exercises and under combat conditions. See Section II for subjects, hours, and text references.

**(3) Specialists.** In so far as is practicable, administrative (common) specialists will receive instruction concurrently with the instruction of the training unit as a whole, and proportionately with the rates of occurrence of such specialists, as determined and published from time to time by the War Department. At the discretion of the commanders of units, administrative specialists will be excused from instruction in subjects not particularly allied to their intended or contemplated specialty, provided they have been thoroughly qualified in the basic subjects. For detailed programs, common or administrative specialists, see Section III.

## SECTION II

## TRAINING PROGRAM

## 6. Master Program

Subject	Hours allotted to each subject											
	Nonspecialist (521)	Basic Medical or Surgical Technician (521)	Basic Dental Technician (Chair Assistant) (521)	Basic Veterinary Technician (521)	Junior Sanitary Technician (196)	Bandsmen (021)	Clerk (052) and (055)	Supply Sergeant and Receiving and Shipping Clerk (186)	Mess Sergeant (134) and Cook (060)	Truckmaster (068) Foreman Mechanic (086), and automobile mechanic (014)	Truckdriver (068) (245) (345)	Motorcyclist (018)
Military courtesy and discipline .....	6	6	6	6	6	6	6	6	6	6	6	6
Personal hygiene, Sanitation and first aid.	5	5	5	5	5	5	5	5	5	5	5	5
Equipment, clothing, and tent pitching....	9	9	9	9	9	8	8	8	8	8	8	8
Individual defense against chemical attack	6	6	6	6	6	6	6	6	6	6	6	6
Individual defense against air, parachute, and mechanized attack .....	5	5	5	4	4	2	2	2	2	2	2	2
Interior guard .....	3	3	3	3	3	2	2	2	2	2	2	2
Dismounted drill .....	29	29	23	19	21	15	15	12	12	12	12	21
Marches and bivouacs .....	45	45	29	21	29	15	15	12	12	12	12	31
Physical training .....	39	39	27	21	27	15	15	6	6	6	6	27
Hasty entrenchments and shelter (camouflage) .....	12	12	4	4	8	4	4					12
Elementary anatomy and physiology .....	21	21	13	6	6							8
Nomenclature and care of organization equipment .....	6	6	6	4	4	2	2	2	2	2	2	2
Field medical records .....	5	5	5	3	3	3	3	3	3	3	3	3
Treatment of gas casualties .....	8	8	4	4	4							4
Litter drill, including ambulance loading and unloading; and passage of obstacles	10	10	10	8	8	4	4	4	4	4	4	4
Field sanitation and sanitary appliances ..	20	20	12	6	6	1	1	1	1	1	1	9
Materia medica and pharmacy .....	12	12	10	7	7							2
Medical and surgical nursing .....	16	16	12	8	8	2	2	2	2	2	2	6
Heavy tent pitching .....	6	6	6	4	4	2	2	2	2	2	2	2
Organization and function of the arms ..	9	9	7	4	4	1	1	1	1	1	1	3
Organization and function of the medical unit .....	9	9	9	4	4	1	1	1	1	1	1	1
Medical aid (splints and splinting; bandages and dressings) .....	60	60	33	20	31	8	8	2	2	2	2	35
Movement by motor .....	4	4	2		2							2
Movement by rail .....	4	4	2	2	4	2	2					4
Scouting and patrolling, use of cover and concealment .....	6	6	6	6	6	3	3	3	3	3	3	3

## Hours allotted to each subject

Subject	Hours allotted to each subject											
	Nonspecialist (521)	Basic Medical or Surgical Technician (521)	Basic Dental Technician (Chair Assistant) (521)	Basic Veterinary Technician (521)	Junior Sanitary Technician (196)	Bandsman (921)	Clerk (052) and (055)	Supply Sergeant and Receiving and Shipping Clerk (186)	Mess Sergeant (124) and Cook (060)	Truckmaster (068) Foreman Mechanic (086), and automobile mechanic (014)	Truckdriver (068) (246) (345)	Motorcyclist (678)
Map and aerial photograph reading† ....	15				13							15
Orientation in night combat .....	14	6	8	4	8	4	4					10
Communications in combat .....	10	5	5	5	10	5	5					10
Technical and tactical employment of medical field units .....	95		68	65	85	65	65					92
Troop movements by motors .....	16		16	16	16	16	16					16
Inspections .....	17	17	11	8	11	5	5	2	2	2		11
Open time	50	50	34	26	34	18	18	6	6	6		34
Total hours (General, basic, technical, tactical, and logistical training)	572	433	396	308	396	220	220	88	88	88		396
Training in Specialty (see detailed pro- gram; pars. 8-17 inclusive)												
Basic .....			16	24	16	28	28	34	44	44		16
Technical .....		139	144	216	144	292	292	406	396	396		144
Open time .....			16	24	16	32	32	44	44	44		16
Total .....	572	572	572	572	572	572	572	572	572	572		572

† This instruction applies especially to chauffeurs, motorcyclists, messengers, liaison agents, and any other individuals of Medical Battalions or Regiments, as determined by the Commanding Officer. For other individuals, this time may be utilized for additional instruction in any subjects.

## 7. Detailed programs.

Subject	References	Total hrs.	Hours per week															
			Basic training	Technical, tactical, and logistical training														
				1	2	3	4	5	6	7	8	9	10	11	12	13		
<b>a. Basic.</b>																		
(1) Military courtesy and discipline	FM 21-50, 21-100, 22-5, 26-5; AR 600-25, 600-355 and 615-290; AW 110; MCM; TF 11-157, and TF 11-235	6	4	2														
(2) Personal hygiene, and first aid.	Chs. 6 and 8-10, FM 21-10; FM 21-100, TM 8-220; FS 8-6, FS 8-7, FS 8-8, TF 8-33 and 8-150 (40 min.); TF 8-154 and 8-155 (30 min.)	5	4	1														
(3) Equipment, clothing, and shelter tent pitching.	Secs. I-V, FM 21-15; FM 22-5; AR 615-40; FS 8-24	9	4	4	1													
(4) Individual defense against chemical attack.	Secs. I-V, FM 21-40; FM 21-45; FS 3-1, 3-2, 3-3, 3-4, 3-5, 3-6, 3-7; TM 3-205, 3-215, 8-220, 8-285; TC No. 3, W.D., 1942; TF 3-216, 3-217, 3-218, 8-304	6	2	4														
(5) Individual defense against air, parachute, and mechanized attack	Sec. VII, Ch. 3, FM 25-10; pars. 245-262, FM 100-5; TF 5-145, 5-146, 5-147, 5-148, and 5-149 (55 min), TF 7-35, 7-109 (18 min), TF 7-110 (7 min); FS 4-2; TC 10, WD, 1940, TC 31, WD, 1941, TC 47, WD, 1941, TC 73, WD, 1941; FM 21-45	5	1	1	1	1	1											
(6) Interior Guard	Pars. 1-31, FM 26-5	3	1	1	1													
(7) Dismounted Drill	FM 22-5; TF 7-143, 7-144, 7-248, 7-249; FS 7-23	29	6	6	2	2	2	2	2	2	2	1	1	1	1	1	1	1
(8) Marches and Bivouacs	Ch. 8, FM 21-10, ch. 3, FM 25-10, 21-25, chs. 9 and 10, FM 100-5; FS 4-2; TF 5-146, 5-147.	45	4	8	3	3	4	4	4	4	4	4	4	4	3			
(9) Physical training	Chs. 1-3, FM 21-20; AR 605-110; TF 11-184	39	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Subject	References	Total hrs.	Hours per Week													
			Basic training		Technical, tactical, and logistical training											
			1	2	3	4	5	6	7	8	9	10	11	12	13	
<b>b. Technical.</b>																
(10) Hasty entrenchments and shelter (camouflage)	Secs. I, VIII, and IX FM 5-15; Secs. 1-4, FM 5-20; TF 7-35 (30 min); FS 5-3.	12										4		4		4
(11) Elementary anatomy and physiology	Ch. 2, TM 8-220	21			3	3	3	4	4	4						
(12) Nomenclature and care of organization equipment	App MD Sup Cat; T/BA 8, App I II, and III; FM 8-10; TM 8-220.	6	2			2	2									
(13) Field medical records	FM 8-45; Ch. 6, TM 8-220; AR 40-1025.	5	1	2			2									
(14) Treatment of gas casualties	Ch. 7, TM 8-220; TM 3-205, TM 8-285; FM 21-40; TC No. 3 and 4, WD, 1942; FS 3-1; TF 8-304.	8				4			2	2						
(15) Litter drill including ambulance loading and unloading; and passage of obstacles.	Chs. 3 and 4, FM 8-35; FS 8-16; TF 8-33	10	2	2	2	2		2								
(16) Field sanitation and sanitary appliances	FM 8-40; FM 21-10; Ch. 5, TM 8-220; FS 8-1 to 8-5; FS 8-9 to 8-12, incl.	20		1	3	2	2	4	4	4						
(17) Materia Medica and Pharmacy.	TM 8-233; 8-220	12			4	3	3		2							
(18) Medical and surgical nursing.	Ch. 4, TM 8-220; 8-260; 8-500; FM 8-45; AR 40-1005; 40-1025, 40-590	16	1	1	2	4	2	2	2	2						
(19) Heavy tent pitching.	App I, FM 8-5; Sec VI, FM 21-15; FS 8-39	6	2			2		2								
(20) Organization and function of the arms.	Ch. 2, FM 4-5; Secs. I-IV FM 5-5; Secs. I and II, FM 6-5; App. II, FM 7-5; appropriate T/O's; FM 8-10; 100-5; 101-5; 101-10; TF 7-236	9	1		3		3		2							
(21) Organization and function of the medical unit.	FM 8-5, FM 8-10, T/O 8-series	9		1	1	2	3	2								
(22) Medical aid (splints and splinting; bandages and dressings).	FM 8-50; Ch. 10, FM 21-10; Ch. 3, TM 8-220; FS 8-7; 8-15; 8-25 to 8-31 incl; 8-35 to 8-37 incl; TF 8-33; 8-150.	60		2	7	5	6	7	8	8	5	6	4	2		

Subject	References	Total hrs.	Hours per Week												
			Basic training	Technical, tactical, and logistical training											
				1	2	3	4	5	6	7	8	9	10	11	12
<b>c. Tactical and Logistical.</b>															
(23) Movement by motor (practice in entrucking and detrucking, only 2 hrs. daylight, 2 hrs. dark)	Par. 190, FM 22-5; Sec. V, FM 25-10; Ch. 9, FM 100-5	4						2		2					
(24) Movement by rail, entraining and detraining	Sec. I, Ch. 6, TM 5-400; 25-10; Sec. I, Ch. 3, FM 100-10; AR 30-910, 30-920, 30-945, W D Cir. No. 56, 1940	4										2		2	
(25) Scouting and patrolling, use of cover and concealment	Pars. 201, 206, 215, 231-233, and 286, FM 7-5; pars. 222, 224, 231 and 232, FM 21-100; FM 30-30; FS 5-3; 5-10; TF 7-234; FM 21-45	6	3		3										
(26) Map and aerial photograph reading*	FM 21-25, 21-30; FM 21-26; FS 5-1; FS 5-2; TF 5-12, 7-233	15								2	6	7			
(27) Orientation in night combat*	Par. 212, FM 7-5; pars 587-601, FM 100-5	14 (8)*					2	2	2		4*		4*		
(28) Communications in combat*	Ch. 8, FM 11-5; Chs. 2, 3, 5 and 6, FM 24-5; FS 11-1; TF 7-13	10 (5)*									3	2	3*	2*	
(29) Technical and tactical employment of medical field units (Battalion and regimental medical detachments, medical battalions and regiments and/or similar regiments)†	FM 5-20; 7-5; 8-5; 8-10, 8-50, 8-55, 21-10, 21-100, 22-5, 25-10, 100-5, 100-10; TM 5-400, 8-220, 8-260, 8-285, 8-500, 12-250; FS 8-1, 8-3, 8-7, 8-9, 8-17 to 8-22, incl., and 8-25 to 8-31 incl.	95† (95)*					1	2	3	4	10	10	21	21	23
(30) Troop movements by motors*	Ch. 3, FM 25-10; Ch. 9, FM 100-5	16 (16)*												8	8
(31) Inspections	Sec. IV, FM 21-15; FM 7-5, 21-5; pars. 239-242, FM 22-5; TM 10-545; AR 40-205; AMB No. 23, 3rd Edition	17	1	1	1	2	1	2	2	1	2	1	1	1	1
Open time (see par. 3b)		50	2	4	4	4	4	4	4	4	4	4	4	4	4
Total		573	44	44	44	44	44	44	44	44	44	44	44	44	44



## 8. Technicians, basic (medical or surgical).

Hours, scope of instruction, and text references. See paragraph 7c. subjects (26) to (30) incl. for hours allotted.

Subject	Number of Hours	Scope of Instruction	References
General	13	Responsibility for public property; Medical Department property lists, issue, exchange and credit; patient's property and effects; personal effects in case of death; care of linen (soiled and clean); special linen.	Sec. III, Ch. 6, TM 8-220
Ward Management	65	Duties of ward masters; duties of ward attendants; ward discipline; prison wards; care of ward supplies, medicines, narcotics, whiskey and poison; isolation in care of communicable diseases; care of, and reports in connection with, seriously ill and insane; care of mail and telegrams. Structure and mechanism of sterilizers. Preparation of linens and instruments (for sterilizers) and their sterilization. Antisepsis and asepsis as applied in preparation of patients, surgeon and assistants.	Ch. 4, TM 8-220.
Care and treatment of patients	39	Admission and bathing of patients. Taking and recording pulse, temperature, and respiration; change in appearance of patients; bed making and changing of linens; use of urinals and bed pans; alcohol rubs; care of hair, mouth, and nails of patients; administration of medicines, routine and special; ice bags, hot water bags, uses and cautions in placing them; enemas, all types, their composition, preparation, use and methods of administration.	Ch. 4, TM 8-220.
Diets	10	Care of dishes, set-up of trays, size of servings; diets, light, soft, liquid, regular, and special.	Sec. IV, Ch. 6, TM 8-500.
Ward records	12	Admission cards, and Medical Department 55-series forms. Inter-ward transfer cards, diet lists, ward morning report, laundry lists; disposition roster, seriously ill roster; patients' pass list; notice of death. Duty cases. Filing of all records.	Sec. I, Ch. 6, TM 8-220. FM 8-45.
<b>Total</b>	<b>139</b>		

(9) **Field Exercise.** Applicatory exercise in the actual use of instruments and tools used, the care of tools, the laying out and execution of work to be done in the building and maintenance of sanitary devices and appliances.

No. of hours—90; Text References: FM 8-40, 21-10.

**b. Standards of Proficiency for the Various Grades of Sanitary Technicians.**

(1) **Technician, sanitary, grade 5.** A graduate of the course for sanitary technicians, or an equivalent course in a civilian institution, or the equivalent in practical experience, and qualified in the following:

(a) Construction and operation of field sanitary devices for disposal of wastes.

(b) Supervision of minor fly and mosquito control work, and collecting of epidemiological material for examination.

(c) Compilation and preparation of routine statistical records and reports.

(2) **Technician, sanitary, grade 4.** Qualified as technician, sanitary, grade 5, and in addition able to perform the following:

(a) Routine area inspections under supervision, and the application of control measures for at least two (2) types of communicable disease.

(b) Supervise installation of field sanitary devices and appliances and instruct others in their operation.

(c) Computation of rates and preparation of graphs and sanitary reports.

(3) **Technician, sanitary, grade 3.** Qualified as technician, sanitary, grade 4, and in addition able to perform the following:

(a) Act as assistant to sanitary inspector of a large tactical command or geographical area.

(b) Direction of field measures for control of major epidemic diseases.

(c) Assist in making area sanitary surveys and in making data for special sanitary reports.

(d) Technical supervision of a large field sanitary force.

## 23. SURGICAL

**b. Scope of Instruction for Surgical Technicians.** The scope of instruction for Surgical Technicians will include the following:

(1) **Anatomy and Physiology.** Gross anatomy, with sufficient knowledge to locate and grossly identify the organs, bones, and prin-

cial structures of the body and their functions.

No. of hours—10; Text References: Ch. 2, TM 8-220.

(2) **Minor Surgery and First Aid.** Bandaging and dressing; splints and their application; emergency surgical treatment.

No. of hours—10; Text References: FM 8-20; Ch. 3, TM 8-220.

(3) **Nursing and Care of Patient.** Admission; baths of all types and reasons for same; taking and recording temperature, pulse and respirations; change of appearance of patients; bed making and changing linen; use and care of urinals and bed pans; alcohol rubs; care of hair, mouth, and nails; routine and special; administration of medicines; uses of and placing of ice and hot water bags.

No of hours—100; Text References: FM 8-35; Ch. 4 TM 8-220; TM 8-260; AR 40-590.

(4) **Operating room technique.** The cleanliness and sanitation of operating room and equipment; care, preservation, procurement, and maintenance of instruments and equipment; preparation of linen for sterilization; structure and mechanism of sterilizers; sterilization of linen and instruments; anesthesia, methods of administration, preparation and care of patients; antisepsis and asepsis as applied in preparation of patients, surgeon, and assistants and as carried out during operative procedures.

No. of hours—120; Text References: Ch. 3, TM 8-220; Standard Text.

(5) **Ward Management.** Responsibility for public property; care of linen, soiled and clean; special linen; patients' property and effects; disposition of personal effects in case of death; general regulations of Medical Department; sanitation.

Duties of ward master; duties of ward attendants; maintenance of discipline in the ward and in prison ward; care of ward supplies, medicines, alcohol, narcotics, whiskies, and poisons; care of seriously ill cases; isolation of infectious cases; care of insane; disinfection of ward, bed, furniture, and linens; disposal of human waste; care of mail and telegrams.

Medical Department forms, 55-series; interward transfer cards; diet lists; ward morning reports; laundry lists, regular and special; patients' property cards; Medical Department property cards (issue, exchange, credit); disposition roster; change of diagnosis cards; seriously ill list; report of contagious cases; report of sick and wounded; register sick and wounded cards; malarial and syphilitic register; patients' pass lists; notice of death; duty cases; filing of all records.

No. of hours—100; Text References: FM 8-40; Ch. 4 & 6, TM 8-220; AR 40-590; 40-1005, 40-1025.

(6) **Hygiene and Sanitation.** Personal hygiene; prevention and control of respiratory, intestinal, insect-borne, venereal, and infectious diseases.

No. of hours—10; Text References: FM 8-40; Ch. 5, TM 8-220; AMB No. 23.

(7) **Air Raid Precautions.** Methods of protecting patients from the hazards of aerial bombs; fire control.

No. of hours—4; Text References: FM 21-40; TM 3-205, 3-215, 8-220.

(8) **Diets.** Care of dishes; set-up of tray; size of servings; bed trays; feeding of patients; use of feeding tube; diets, liquid, soft, light, regular, and special; liquid nourishment, cold and hot drinks, fruit juices, water (ice and tap water); disposal of garbage.

No. of hours—16; Text References: TM 8-220, 8-500.

(9) **Surgical wards and clinics.** Ability to perform routine tests and to assist in the performance of major procedures in the following wards and clinics:

(a) Care, treatment, and transportation of injuries, including head injuries, chest injuries, and injuries to the abdominal viscera, particularly their emergency treatment and preparation for transportation.

No. of hours—30; Text References: TM 8-220; Standard Text; Medical History of World War.

(b) **Genito-urinary.** The importance of venereal disease and its prophylaxis; care of special instruments and equipment. The technique of irrigations of genital tract; intravenous therapy; catheterization.

No. of hours—50; Text References: TM 8-220; Standard Text.

(c) **Orthopedics.** The form, structure, and function of bones, joints, and muscle; types of fractures; bone healing and complications of fractures, dislocations and sprains. First-aid treatment of fractures, including treatment of shock, immobilization, and preparation for transportation; types of splints and their uses and application. Preparation and application of Plaster of Paris or cast; structure of Balkan frame; principles and application of traction.

No. of hours—50; Text References: FM 8-50; TM 8-220.

(d) **Septic surgery.** The causes and character of wound infection; prevention and treatment; Dakinization; debridement. Methods of drainage; prevention of gas infections and tetanus. Bac-

teriology of wound infections as determined by laboratory methods.

No. of hours—14; Text References: TM 8-220; Standard Text; Medical History of World War.

(e) **Eye, ear, nose, and throat.** Ability to perform determinations of vision, field of vision, color vision. Methods of applying hot and cold compresses and special dressings used in eye surgery. Removal of foreign bodies. Ability to perform hearing tests; irrigations of the external auditory canal; care of special instruments; preparation of special dressings used in E. N. T. surgery.

No. of hours—14; Text References: TM 8-220; Standard Text.

**b. Standards of Proficiency for Various Grades of Surgical Technicians.**

(1) **Surgical Technician, grade 5.**

(a) Qualified to perform the work of a Medical Technician, grade 5, as applied to surgical wards.

(b) Competent to:

1. Act as a junior assistant in the dressing or operating room or in a surgical clinic.
2. Prepare patients for operation.
3. Take charge of the preparation and maintenance of records in surgical clinics.

(2) **Surgical Technician, grade 4.**

(a) Qualified to perform the work of a Medical Technician, grade 4, as applied to surgical ward; or

(b) Qualified as a Surgical Technician, grade 5, and competent to:

1. Administer routine treatments in genito-urinary diseases under the direction of a medical officer; or
2. Take charge, under supervision, of an operating room and care of the equipment; or
3. Make or modify braces or other orthopedic appliances; or
4. Take charge of the sterilization of all instruments and dressings in an operating room or surgical clinic.

(3) **Surgical Technician, grade 3.**

(a) Qualified as a Medical Technician, grade 3, or a Surgical Technician, grade 4, and in addition competent, under a medical officer.

1. To take charge of a dressing or operating room or a surgical clinic in a large hospital and administer routine treatments.