

2A  
927  
2457

OCD Publication 2218-1

OFFICE OF CIVILIAN DEFENSE  
RESCUE SECTION - MEDICAL DIVISION

SYLLABUS

COURSE IN RESCUE TECHNIQUE  
FOR RESCUE SERVICE PERSONNEL

PILOT SCHOOL  
BUREAU OF MINES EXPERIMENT STATION

4800 FORBES STREET  
PITTSBURGH, PENNSYLVANIA  
October 4-14, 1943

JUL 20 1950



DAY AND TIME	SUBJECT	LECTURER
Monday Oct. 4		
8:30 a.m. to 9:00 a.m.	Registration, Introduction of Class Members, Formation of Classes	
9:00 a.m. to 9:30 a.m.	Introductory Remarks	S. H. Ash Chief, Rescue Section Office of Civilian Defense Washington, D. C.
9:30 a.m. to 11:00 a.m.	The Medical Division, Office of Civilian Defense Importance and significance of Field Care and Transportation of the Injured in Rescue Work	George Baehr, M. D. Chief Medical Officer Office of Civilian Defense Washington, D. C.
11:00 a.m. to 12:00 m.	The Protection Branch of the Office of Civilian Defense	Major General U. S. Grant, 3rd Chief, Protection Branch Office of Civilian Defense Washington, D. C.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 2:00 p.m.	General and local organization and operation of the U. S. Citizens Defense Corps; the Control Center; the Air Raid Warning System and Blackouts	H. van Zile Hyde, M. D. Chief, Field Casualty Section Office of Civilian Defense Washington, D. C.
2:00 p.m. to 3:00 p.m.	The Bureau of Mines. Interest and participation in the Rescue Service.	Dr. R. R. Sayers Director, U. S. Bureau of Mines Washington, D. C.
3:00 p.m. to 4:00 p.m.	Film showing Rescue Squad in Action in Britain	

G 28 MAY 45

DAY AND  
TIME

SUBJECT

LECTURER

---

Monday  
Oct. 4

7:00 p.m.      Emergency First Aid to the Injured  
to  
9:00 p.m.      (Lecture and Practice)

Bureau of Mines Personnel

(Any time left over can be spent in visiting facilities  
of the Bureau of Mines Experiment Station, or attending  
to hotel accommodations)

DAY AND TIME	SUBJECT	LECTURER
Tuesday Oct. 5		
8:00 a.m. to 10:00 a.m.	Latest Developments in Incendiaries and Techniques of Control (Lecture)	J. L. Danks Fire Defense Section Office of Civilian Defense Washington, D. C.
10:00 a.m. to 11:00 a.m.	Chemistry of Fire (Lecture)	Capt. Averill J. Hammer Chemical Warfare Service Edgewood Arsenal
11:00 a.m. to 12:00 m.	Handling Minor Fires (Lecture)	J. L. Danks Fire Defense Section Office of Civilian Defense Washington, D. C.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 2:00 p.m.	Organization and Operation of the Fire Department (Lecture)	J. L. Danks Fire Defense Section Office of Civilian Defense
2:00 p.m. to 3:00 p.m.	Organization, Functions, Development and Control of the Rescue Service, The Rescue Squad and Depot (Notes on British Practice)	S. H. Ash, Chief Rescue Section Office of Civilian Defense Washington, D. C.
3:00 p.m. to 4:00 p.m.	Organizing and Equipping a Rescue Service on A County and local level.	Theodore Whitesell Chief of Rescue Service Northampton County, Pa.
4:00 p.m. to 5:00 p.m.	Organizing and Equipping a Rescue Service on a Metropolitan level.	Roy A. MacGregor Chief of Rescue Service Allegheny County, Pa.

DAY AND  
TIME

SUBJECT

LECTURER

---

Tuesday  
Oct. 5

7:00 p.m.  
to  
9:00 p.m.

Emergency First Aid to the Injured (lecture and practice)

Bureau of Mines Personnel

DAY AND  
TIME

SUBJECT

LECTURER

Wednesday  
Oct. 6

8:00 a.m. to 9:00 a.m.	Organizing and Equipping a Rescue Service on a State level (Lecture)	Roger W. Wheeler Chief, Rescue Service State of Rhode Island
9:00 a.m. to 12:00 m.	Emergency Field Care and Transportation of the Injured (Lecture and demonstration)	A. Wm. Reggio, M. D. Regional Medical Officer, Office of Civilian Defense Boston, Massachusetts
12:00 m. to 1:00 p.m.	Lunch.	
1:00 p.m. to 2:00 p.m.	Rescue Squad Equipment (Recommended) (Lecture)	S. H. Ash Chief, Rescue Section Office of Civilian Defense Washington, D. C.
2:00 p. m. to 3:00 p.m.	Building structures, Framed and Unframed Building, Single-story and Multi-story, Subways and Sub-surface Quarters and Utilities (Lecture)	P. S. Miller Regional Rescue Officer Rescue Section Office of Civilian Defense.
3:00 p.m. to 5:00 p.m.	Inter-Service Cooperation in Rescue Technique, Mining, Tunneling, Building Trade and Heavy Construction Personnel and Facilities (Lecture)	Fred W. Stiefel Consulting Mining-Civil Engineer New York, New York
7:00 p.m. to 9:00 p.m.	Emergency First Aid to the Injured (Lecture and practice)	Bureau of Mines Personnel

DAY AND TIME	SUBJECT	LECTURER
Thursday Oct. 7		
8:00 a.m. to 10:00 a.m.	High Explosive Bombs; Types, Effects on Buildings, Protection against Bombs, Air Raid Shelters; (British and American Experience). (Lecture)	Richard Fine, Protective Construction Unit Engineering Section Office of Civilian Defense Washington, D. C.
10:00 a.m. to 11:00 a.m.	Flammability of the Common Gases and Vapors, (Utility gases, Refrigerants, etc.) Encountered at Incidents (Lecture)	Dr. George Jones Senior Chemist Explosive Division U. S. Bureau of Mines Pittsburgh, Pa.
11:00 a.m. to 12:00 m.	Toxicology of the Common Gases and Vapors Encountered at Incidents. (Lecture)	Dr. H. H. Schrenk Chief Chemist U. S. Bureau of Mines Pittsburgh, Pa.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 5:00 p.m.	Introduction to Mine Rescue Training, Application to Rescue at Incidents (Lecture and Demonstrations)	J. V. Berry, Director Safety and Compensation Industrial Collieries Company Johnstown, Pa.  Frank Griffith Mining Engineer Safety Division U. S. Bureau of Mines
7:00 p.m. to 9:00 p.m.	The All-Service Gas Mask Hose Mask, or Supplied Air Respirator, Self-contained Oxygen-Breathing (Practice)	Bureau of Mines Personnel

DAY AND TIME	SUBJECT	LECTURER
Friday Oct. 8		
8:00 a.m. to 9:00 a.m.	Methods of Detecting Common Gases (Lecture and demonstration)	C. H. Dodge Assistant Chief, Rescue Section Office of Civilian Defense Washington, D. C.
9:00 a.m. to 10:00 a.m.	Manufacturing, Distribution and Control of Utility Services, Electricity (Lecture)	Henry Eliason, Engineer Consolidated Edison Company New York, New York
10:00 a.m. to 12:00 m.	Methods of Protection against Common Gases, Vapors and Dusts Encountered at Incidents (Lecture)	Dr. W. P. Yant Research Director Mine Safety Appliances Company Pittsburgh, Pa.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 2:00 p.m.	Manufacturing, Distribution and Control of Utility Services, Gas and Steam (Lecture)	Henry Eliason, Engineer Consolidated Edison Company New York, New York
2:00 p.m. to 5:00 p.m.	Rescue Squad Equipment, Vehicles and Operations (Lecture, Demonstrations by Trained Rescue Squad)	Theodore Whitesell Chief, Rescue Service and Selected Rescue Squad Northampton County, Pa.
7:00 p.m. to 9:00 p.m.	Emergency First Aid to the Injured (Lecture and practice)	Bureau of Mines Personnel

DAY AND  
TIME

SUBJECT

LECTURER

Saturday  
Oct. 9

8:00 a.m. to 12:00 m.	Mine Rescue Training, Application to Rescue at Incidents	Bureau of Mines Personnel
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 3:00 p.m.	Inter-Service and Mobilization of Utility Emergency Service (Lecture)	Henry Eliason, Engineer Consolidated Edison Company New York, New York
3:00 p.m. to 4:00 p.m.	Organization of Training and Organization of Schools (Lecture)	S. H. Ash Chief, Rescue Section Office of Civilian Defense Washington, D. C.
4:00 p.m. to 5:00 p.m.	How to Train The Responsibility of Every Instructor (Lecture)	Dr. Kenneth L. Heaton Principal Consultant Training Section Office of Civilian Defense Washington, D. C.

DAY AND TIME	SUBJECT	LECTURER
Monday Oct. 11		
8:00 a.m. to 10:00 a.m.	Rescue Training Practice in the United Kingdom (Lecture)	S. H. Ash, Chief Rescue Section Office of Civilian Defense Washington, D. C.
10:00 a.m. to 12:00 m.	Ropes, Knots and Lashings	Representative U. S. Maritime Service
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 3:00 p.m.	Ropes, Knots and Lashings	Representative U. S. Maritime Service
3:00 p.m. to 5:00 p.m.	Applications of Heavy Equipment (Lecture)	
7:00 p.m. to 9:00 p.m.	Mine Rescue Training, Application to Rescue at Incidents	Bureau of Mines Personnel

DAY AND  
TIME

SUBJECT

LECTURER

Tuesday  
Oct. 12

8:00 a.m. Water Supply Systems and Damage to Water Mains  
to  
9:00 a.m.

Roger W. Estey  
Superintendent, Water Works  
Danvers, Massachusetts

9:00 a.m. Shoring and Demolition  
to  
(Lecture and Demonstrations)  
11:00 a.m.

P. S. Miller  
Regional Rescue Officer  
Rescue Section  
Office of Civilian Defense

11:00 a.m. Action of Rescue Squad on Alarms and Call-outs, Contacting  
to  
Officers, and Leadership at Incidents  
12:00 m.

Rescue Section Personnel

12:00 m. Lunch  
to  
1:00 p.m.

1:00 p.m. Trip through Mine Safety Appliances Company Plant  
to  
5:00 p.m.

By Mine Safety Appliances Co.

7:00 p.m. Emergency First Aid to Injured  
to  
9:00 p.m.

Bureau of Mines Personnel

DAY AND  
TIME

SUBJECT

LECTURER

Wednesday  
Oct. 13

8:00 a.m.      Reconnaissance and Rescue by Stages  
to                      (Lecture)

10:00 a.m.

S. H. Ash, Chief  
Rescue Section  
Office of Civilian Defense  
Washington, D. C.

10:00 a.m.      Rescue by Clearance of Debris  
to                      (Lecture)

12:00 m.

P. S. Miller, Regional Officer  
Rescue Section  
Office of Civilian Defense  
Washington, D. C.

12:00 m.      Lunch

to  
1:00 p.m.

1:00 p.m.      Rescue by Trenching and Tunneling  
to                      (Lecture and Practice)

5:00 p.m.

Rescue Section Personnel

7:00 p.m.      Emergency First Aid to the Injured  
to

9:00 p.m.

Bureau of Mines Personnel

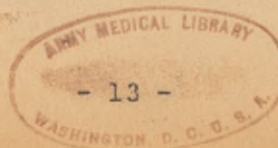
DAY AND  
TIME

SUBJECT

LECTURER

Thursday  
Oct. 14

8:00 a.m. to 9:00 a.m.	Rescue in the Presence of Common Gases (Lecture)	Charles H. Dodge Assistant Chief, Rescue Section Office of Civilian Defense Washington, D. C.
9:00 a.m. to 10:00 a.m.	Recovery of the Dead; Salvage of Property and Valuables (Lecture)	Dr. Victor H. Vogel Administrative Director Blood Plasma Section U. S. Office of Civilian Defense Washington, D. C.
10:00 a.m. to 12:00 m.	Chemical Warfare Agents, First Aid for Chemical Casualties, Protective Equipment, Gas Protection Methods, and Organization (Lecture)	Dr. Eugene W. Scott Chief Gas Officer Office of Civilian Defense Washington, D. C.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 2:00 p.m.	Rescue in Presence of War Gases, Decontamination (Lecture)	Gas Protection Section Office of Civilian Defense Washington, D. C.
2:00 p.m. to 3:00 p.m.	Gas Chamber (Exercise)	Lt. M. R. Vickers, C.W.S. Third Service Command Baltimore, Maryland
3:00 p.m. to 5:00 p.m.	Gas Identification (Exercise) Decontamination (Exercise)	Lt. M. R. Vickers, C.W.S. Third Service Command Baltimore, Maryland
7:00 p.m. to 9:00 p.m.	Emergency First Aid to the Injured	Bureau of Mines Personnel



4-1548-Pl4-Final- EU-COS-WP