

The Role of Helicopters in a Multiple Casualty Incident

Medical helicopters should not be dispatched to or requested at the scene of a multiple casualty incident, except in unusual circumstances, and then only with the concurrence of C-MED and senior medical control. Helicopters are a unique and valuable resource. If they land at the scene, they necessarily tie up critical personnel resources, and they have no more transportation capability than one ambulance. Therefore, they should be used with the following priority:

1. on-scene aerial surveillance if valuable to Incident Command;
2. the transportation of critical victims from a nearby hospital (after hospital-based evaluation and/or treatment) to a tertiary care facility;
3. assistance in communications linkage as terrain and communications systems require;
4. the delivery of critical supplies and personnel to the scene.

Appendix A

DEFINITIONS

Active Incident Area: The area where the incident occurred. There may be ongoing hazards to the safety of victims/rescuers at this location.

C-MED: Central Medical Emergency Direction Center for ambulance-to-hospital radio coordination.

Command Post: Area where police, fire and EMS commanders coordinate all phases of an M.C.I.

Confirmed M.C.I.: A Multiple Casualty Incident that has been verified by a uniformed responder.

Critical Care Capability: The number of Critical, Acute, and Non-acute patients that an emergency department is capable of caring for during a multiple casualty response. These numbers should reflect the number of patients within the emergency department at any given time. This status should be updated periodically during an MCI response.

Equipment Area: Area located near treatment area where equipment is stored until needed.

Evacuation: The process of removing the victim from the active incident area to the triage/treatment area.

Helicopter Landing Zone: 100 feet X 100 feet square area located adequately distant from activity for evacuation of victims. The ultimate decision for the landing area is the responsibility of the pilot.

Loading Area: Area from which transportation to appropriate hospitals is initiated. Area should be located adjacent to treatment area.

Multiple Casualty: Any incident or situation that taxes an agency's (i.e.: hospital, provider) immediate resources.

METTAG: Numbered triage tags used to identify the treatment/transport of individual victims. These tags are attached to each victim.

Morgue Area: Area remote from treatment area where deceased victims are placed awaiting transport to the appropriate facility.

Appendix A (con't)

Non-Acute Ambulatory Area: Area (preferably sheltered) where ambulatory victims await alternate means of transport (non-ambulance) to appropriate facilities.

Primary Scan: Quick assessment of scene performed by EMS commander upon his/her arrival. Distribution of personnel is according to primary scan.

Priority I - Critical: Victims who have injuries that represent immediate threat to life or limb. These victims are the first to be transported.

Priority II - Acute: Victims who have injuries that require early stabilization. These victims are transported following those considered critical.

Priority III - Non-Acute: Victims ambulatory or non-ambulatory who have injuries that are of no apparent threat to life or limb.

Staging Area: Area separate from M.C.I. site where ambulances and emergency vehicles are held until needed.

Treatment Area: Area where patients receive 2nd triage and treatment according to priority of injury. This area is organized into three categories: Non-Acute; Acute; Critical; according to the severity of the victim's condition. Victim status should be monitored frequently and priority status changed accordingly.

Triage Area: Area where E.M.S. personnel assess victims and assign initial treatment and transport priority according to severity/nature of illness or injury.

Unconfirmed M.C.I.: Report of any multiple casualty incident that has not been verified by any uniformed responder.

Appendix B

REGION IV EMERGENCY TELEPHONE NUMBERS

(These telephone numbers are effective
as of 8/26/86)

<u>LOCATION</u>		<u>FIRE</u>	<u>POLICE</u>	<u>AMBULANCE</u>
Acton	E*	263-9191	263-2911	263-9191
	B**	264-9645	264-9638	264-9645
Arlington	E	643-4000	643-1212	643-4000
	B	646-1000	646-1000	646-1000
Ashland	E	911	911	911
	B	881-2323	881-1212	881-2323
Bedford	E	275-7240	275-1212	275-7240
	B	275-7262	275-1212	275-7262
Belmont	E	484-1300	484-1212	484-1300
	B	484-3473	484-1212	484-3473
Boston	E	911	911	911
	B	442-8000	247-4200	424-4348
Boxborough	E	263-4512	263-3000	263-4512
	B	263-7546	263-2628	263-7546
Braintree	E	911	911	911
	B	843-3600	843-1212	322-1665
Brookline	E	911	911	911
	B	232-8366	734-1212	288-6700
Burlington	E	272-2211	272-1212	272-2211
	B	272-2213	272-1260	272-2213
Cambridge	E	876-5800	911	911
	B	876-0125	498-9300	876-0125
Canton	E	828-1313	828-1212	828-1313
	B	828-1314	828-1213	828-1314
Carlisle	E	369-1442	369-1155	369-1442
	B	369-2242	369-1818	369-2242
Chelsea	E	884-1410	884-1212	884-1212
	B	884-2010	884-8810	625-0042
Conasset	E	383-0260	383-1212	383-0260
	B	383-0616	383-1055	383-0616

*E - Emergency Numbers Only

**B - Business Numbers Only

REGION IV EMERGENCY TELEPHONE NUMBERS (con't)

<u>LOCATION</u>		<u>FIRE</u>	<u>POLICE</u>	<u>AMBULANCE</u>
Concord	E	369-2121	369-1212	369-2121
	B	369-4054	369-7400	369-4054
Dedham	E	326-1313	326-1212	326-1212
	B	326-2212	326-8460	288-6700
Dover	E	911	911	911
	B	785-1130	785-1130	785-1130
Framingham	E***	911	911	911
	E(Other)	620-4951	872-1212	620-4951
	B	620-4951	872-1212	620-4951
Hanover	E	826-2335	826-2335	826-2335
	B	826-2335	826-2335	826-2335
Hingham	E	749-2424	749-1212	749-2424
	B	749-0500	749-1212	749-0500
Holliston	E(429-)	911	911	911
	E(Other)	429-2323	429-1212	429-1212
	B	429-4631	429-1212	429-4631
Hopkinton	E	435-6363	435-3401	435-3401
	B	435-6365	435-3401	435-6365
Hudson	E	562-3434	562-7122	562-2451
	B	562-7069	562-7122	562-9881
Hull	E	911	911	911
	B	925-2424	925-1212	925-2425
Lexington	E	862-0270	862-1212	862-0270
	B	862-0272	862-1212	862-0272
Lincoln	E	259-8111	259-8111	259-8111
	B	259-8113	259-8113	259-8113
Littleton	E	486-3777	486-4144	486-3777
	B	486-3244	486-8966	486-3244
Marlborough	E	911	911	911
	B	485-2326	485-1212	562-9811
Maynard	E	911	911	911
	B	897-1014	897-3911	897-1014
Medfield	E(359-)	911	911	911
	E(Other)	359-4411	359-2315	359-2315
	B	359-2323	359-2315	359-2315
Millis	E	911	911	911
	B	376-2361	376-5112	376-2361

***E - Exchanges 620,872,875,877,879

REGION IV EMERGENCY TELEPHONE NUMBERS (con't)

<u>LOCATION</u>		<u>FIRE</u>	<u>POLICE</u>	<u>AMBULANCE</u>
Milton	E	698-1980	698-1212	698-1212
	B	698-2010	698-3800	698-3800
Natick	E	653-2323	653-1212	653-2323
	B	651-7286	651-7283	651-7286
Needham	E	911	911	911
	B	444-0142	444-1212	444-0142
Newton	E	911	911	911
	B	552-7270	552-7240	235-8000
Norfolk	E	528-3232	528-3232	528-3232
	B	528-3207	528-3206	528-3207
Norwell	E	659-2211	659-2211	659-2211
	B	659-2212	659-2212	659-2212
Norwood	E	762-1313	762-1212	762-1313
	B	762-0080	762-6888	762-0080
Quincy	E	911	911	911
	B	773-9800	479-1212	322-1665
Revere	E****	911	911	911
	E(Other)	284-0014	284-1212	284-0014
	B	284-0014	284-1212	322-1665
Scituate	E	545-0364	545-1212	545-0364
	B	545-0364	545-1212	545-0364
Sharon	E	784-2121	784-3535	784-2121
	B	784-5677	784-5300	784-5677
Sherborn	E	653-2345	653-2424	653-2345
	B	651-7869	653-2424	651-7869
Somerville	E	623-1500	625-1212	625-1212
	B	623-1700	625-1600	625-0042
Southborough	E	485-3232	485-2121	485-3232
	B	485-3235	485-2147	485-3235
Stow	E(897-)	897-2131	897-4545	897-2131
	E(Other)	562-3811	897-4545	562-3811
	B	897-4537	897-4545	897-4537
Sudbury	E	443-2323	443-2121	443-2323
	B	443-2239	443-8862	443-2239
Walpole	E	668-2323	668-1212	668-1212
	B	668-0260	668-1095	668-1095

****E - Exchanges 284,286,289

Appendix B (con't)

REGION IV EMERGENCY TELEPHONE NUMBERS (con't)

<u>LOCATION</u>		<u>FIRE</u>	<u>POLICE</u>	<u>AMBULANCE</u>
Waltham	E	893-4100	893-1212	893-1212
	B	893-4105	893-3700	235-8000
Watertown	E	911	911	911
	B	924-7300	923-1212	924-7300
Wayland	E	358-4747	358-4721	358-4747
	B	358-7951	358-7941	358-7951
Wellesley	E	235-1616	235-1212	235-1212
	B	235-1300	235-1212	235-1212
Weston	E	893-2323	893-4800	893-2323
	B	893-2372	893-4803	893-2372
Westwood	E	326-8980	326-1903	326-8980
	B	326-3885	326-5769	326-3885
Weymouth	E	911	911	911
	B	337-5151	335-1212	322-1665
Wilmington	E	658-3200	658-3331	658-3200
	B	658-3346	658-5071	658-3346
Winchester	E	729-1800	729-1212	729-1800
	B	729-1802	729-1214	729-1802
Winthrop	E	846-3473	846-1212	846-3473
	B	846-3474	846-1212	625-0042
Woburn	E*****	933-3131	911	933-3131
	E(Other)	933-3131	933-1212	933-3131
	B	935-1636	933-1212	935-1636
Wrentham	E	911	911	911
	B	384-3131	384-2121	384-3131

*****E - Exchanges 932,933,935,938

Appendix C

SPECIALIZED RESOURCE LIST

(These telephone numbers are effective as of 6/12/86 with the exception of the Trauma Center telephone numbers which are effective as of 3/10/87).

PLEASE NOTE: Phone numbers in operation 24 hours a day are so specified.

INFORMATIONAL SUPPORT

Boston EMS Administrative Offices (617) 424-4347

Disaster Preparedness Office

Hanscom Air Force Base

(617) 377-3235(Duty hours)
(617) 377-3523(Duty hours)
(617) 377-3278(Duty hours)
(617) 377-5144(After duty hours)

Can Provide: • Consulting
• Hazardous Waste Management

Emergency Management Institute

Emmitsburg, Maryland

(301) 447-6771

Hanscom Air Force Base

- Base Clinic (Medical Support)
- Clinic Commander:

(617) 377-4703(Duty hours)
(617) 861-5144(Duty hours)

Can Provide: • Consulting
• Environmental Health (Hazardous Materials)
• Support as needed

MEDIC IV EMS Project

Massachusetts Hospital Association
Burlington

(617) 272-8000

Other Mass Casualty Plans

Merrimack Valley Emerg. Med. Serv. Corp. (617) 682-0143
Lawrence

New England Council of Emerg. Med. Serv. (203) 566-4445
c/o Office of Emergency Medical Services
Hartford, Connecticut

U.S. Department of Transportation

Emergency Medical Services Office
Washington, D.C.

(202) 366-5440

EMERGENCY SUPPORTAmerican Red Cross

Greater Boston Region

(617) 262-1234 (24 hr.)
1-800-462-2705 (24 hr.)Boston EMS Communications Center

Metropolitan Boston C-MED

Boston EMS Dispatcher Center

(617) 424-5777 (24 hr.)

Department of Health and Hospitals Disaster Vehicle

(617) 424-5777 (24 hr.)

(617) 424-5778 (24 hr.)

Police Centrex: (617) 247-4510 (24 hr.)

(617) 247-4511 (24 hr.)

(617) 247-4512 (24 hr.)

Federal Emergency Management Agency (FEMA)

Washington, D.C.

(617) 646-2400 (24 hr.)

Fire Department:Boston Fire

(617) 536-1500

(8:00 a.m. Sunday to
8:00 a.m. Monday only)Metro Fire

(617) 552-7270

(24 hr. except 8:00 a.m.
Sunday to 8:00 a.m.
Monday)Logan Airport Fire Department

(617) 567-2020 (24 hr.)

Massachusetts Civil Defense & Preparedness Agency

State Headquarters (Framingham)

(617) 875-1381 (24 hr.)

National Disaster Medical System

Regional Coordinator

(617) 796-2827

Ft. Devens

(617) 796-6752 (24 hr.)

National Fire Academy

Emmitsburg, Maryland

(301) 447-6771

Poison Control

Boston Area

(617) 232-2120 (24 hr.)

Statewide

1-800-682-9211 (24 hr.)

Metropolitan Boston Acute Care Emergency DepartmentsBeth Israel Hospital

(617) 735-3337

Boston City Hospital

(617) 424-4075

Brigham and Women's Hospital

(617) 732-5636

EMERGENCY SUPPORT (con't)

Metropolitan Boston Acute Care Emergency Departments (con't)

<u>Cambridge Hospital</u>	(617) 498-1430
<u>Carney Hospital</u>	(617) 296-4000 X4444
<u>Children's Hospital</u>	(617) 735-6611
<u>Choate-Symmes Health Services - Choate Division</u>	(617) 933-6700 X354,355
<u>Choate-Symmes Health Services-Symmes Division</u>	(617) 646-1500 X1030
<u>Emerson Hospital</u>	(617) 369-1400, X1400
<u>Faulkner Hospital</u>	(617) 523-6018
<u>Framingham Union Hospital</u>	(617) 879-7111, X2520
<u>Glover Memorial Hospital</u>	(617) 444-5000, X418
<u>Lahey Clinic Medical Center</u>	(617) 273-8100
<u>Leonard Morse Hospital</u>	(617) 653-3400, X2400
<u>Marlborough Hospital</u>	(617) 485-1121, X222
<u>Massachusetts Eye and Ear Infirmary</u>	(617) 523-7900, X2420
<u>Massachusetts General Hospital</u>	(617) 726-3321
<u>Milton Medical Center</u>	(617) 696-4600, X133
<u>Mount Auburn Hospital</u>	(617) 499-5025
<u>New England Medical Center</u>	(617) 956-5566
<u>Newton-Wellesley Hospital</u>	(617) 243-6193
<u>Norwood Hospital</u>	(617) 769-4000, X2151
<u>Quincy City Hospital</u>	(617) 773-6100, X3031-3041
<u>Sancta Maria Hospital</u>	(617) 868-2200, X266, 267
<u>Somerville Hospital</u>	(617) 666-4400, X401
<u>South Shore Hospital</u>	(617) 337-7011, X321
<u>St. Elizabeth's Hospital</u>	(617) 789-2666, X2667, 2668

Appendix C (con't)

EMERGENCY SUPPORT (con't)

Metropolitan Boston Acute Care Emergency Departments (con't)

<u>University Hospital</u>	(617) 638-8240
<u>Waltham Weston Hospital & Medical Center</u>	(617) 647-6281
<u>Winchester Hospital</u>	(617) 729-9000, X3200, 3201, 3202
<u>Winthrop Hospital</u>	(617) 846-2600, X444

Appendix C (con't)

EMERGENCY TRANSPORTHelicopter Services:Boston Med Flight

Massachusetts	1-800-233-4554 (24 hr.)
Other New England States	1-800-233-8998 (24 hr.)

Response Area: • Determined by individual case, not by
time or distance considerations
• Only transport critical patients

National Guard Medical Detachment Helicopter Ambulance

Air ambulance located in Concord, New Hampshire, which normally provides support to army units south of Concord, but will provide service south of Concord by special request.

Operations Officer:	(603) 271-2331 (Duty hours)
	(603) 271-1110 (After duty hours)

New England Life Flight

Local	(617) 799-6333 (24 hr.)
Massachusetts	1-800-322-4354 (24 hr.)
Other New England States	1-800-343-4354 (24 hr.)

Response Area: • 130 mile radius
• 5 minute response time

<u>Hospital Based Paramedic Services:</u>	(617) 369-1400 (24 hr.)
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Emerson Hospital Paramedic Service
Concord

<u>Marlborough Hospital Paramedic Service</u> Marlborough	(617) 482-1121 (24 hr.)
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North Suburban Paramedics
Burlington

(617) 273-8937
(Or can be dispatched through Burlington Fire Dept.)

1-800-802-0188 (24 hr. beeper)
(When you hear busy signal, input number on a touch-tone phone)

U.S. Coast Guard

(617) 223-3644 (24 hr.)
(617) 223-3645 (24 hr.)
(617) 223-3646 (24 hr.)

Can Provide: • Civil Support
• Military Support

Appendix C (con't)

RECEIVING MEDICAL FACILITIESBurn Centers:

(Use Trauma Center Telephone numbers below).

Trauma Centers:Boston Emergency Medical CenterAdult Trauma

- Boston City Hospital Chief Surgical Resident or Surgical Resident (617) 424-5000 (24 hr.)
- University Hospital Trauma Beepter (Leave telephone number for a call back) 1-800-802-4087 (24 hr.)

Pediatric Trauma (Kiwanis Pediatric Trauma Institute)

- New England Medical Center Pediatric Hot-Line (617) 956-0001 (24 hr.)

Longwood Area Trauma CenterAdult Trauma

- Beth Israel and Brigham and Women's Hospital Trauma Phone (617) 735-5854 (24 hr.)

Pediatric Trauma

- Children's Hospital Trauma Center Access (617) 735-6637 (24 hr.)

Massachusetts General HospitalAdult and Pediatric Trauma and Burn 1-800-TRAUMA5 (24 hr.)

- Ask to speak to senior surgical resident

Appendix C (con't)

UTILITY COMPANIESBoston Edison Company

Emergency Service Calls: (617) 262-4700 (24 hr.)

Boston Gas CompanyGas Leaks Only:

Acton, Bedford, Boxborough, Braintree 1-800-233-LEAK (24 hr.)
 Brookline, Carlisle, Chelsea, Cohasset,
 Concord, Hingham, Hull, Lincoln, Littleton,
 Milton, Newton, Norwood, Quincy, Somerville,
 Sudbury, Waltham, Watertown, Wayland, Wellesley,
 Weston, Weymouth

Arlington, Belmont, Burlington, 1-800-231-LEAK (24 hr.)
 Lexington, Revere, Winchester,
 Winthrop, Woburn

Boston (617) 723-LEAK (24 hr.)

Service:

Acton, Boxborough, Carlisle, Cohasset 1-800-532-9600 (24 hr.)
 Concord, Littleton, Sudbury, Wayland

Arlington, Belmont, Burlington, (617) 321-3500 (24 hr.)
 Lexington, Revere, Winchester,
 Winthrop, Woburn

Bedford, Braintree, Brookline, Chelsea (617) 469-2300 (24 hr.)
 Hingham, Hull, Lincoln, Milton, Newton,
 Norwood, Quincy, Somerville, Waltham,
 Watertown, Wellesley, Weston, Weymouth

Boston (617) 523-1010 (24 hr.)

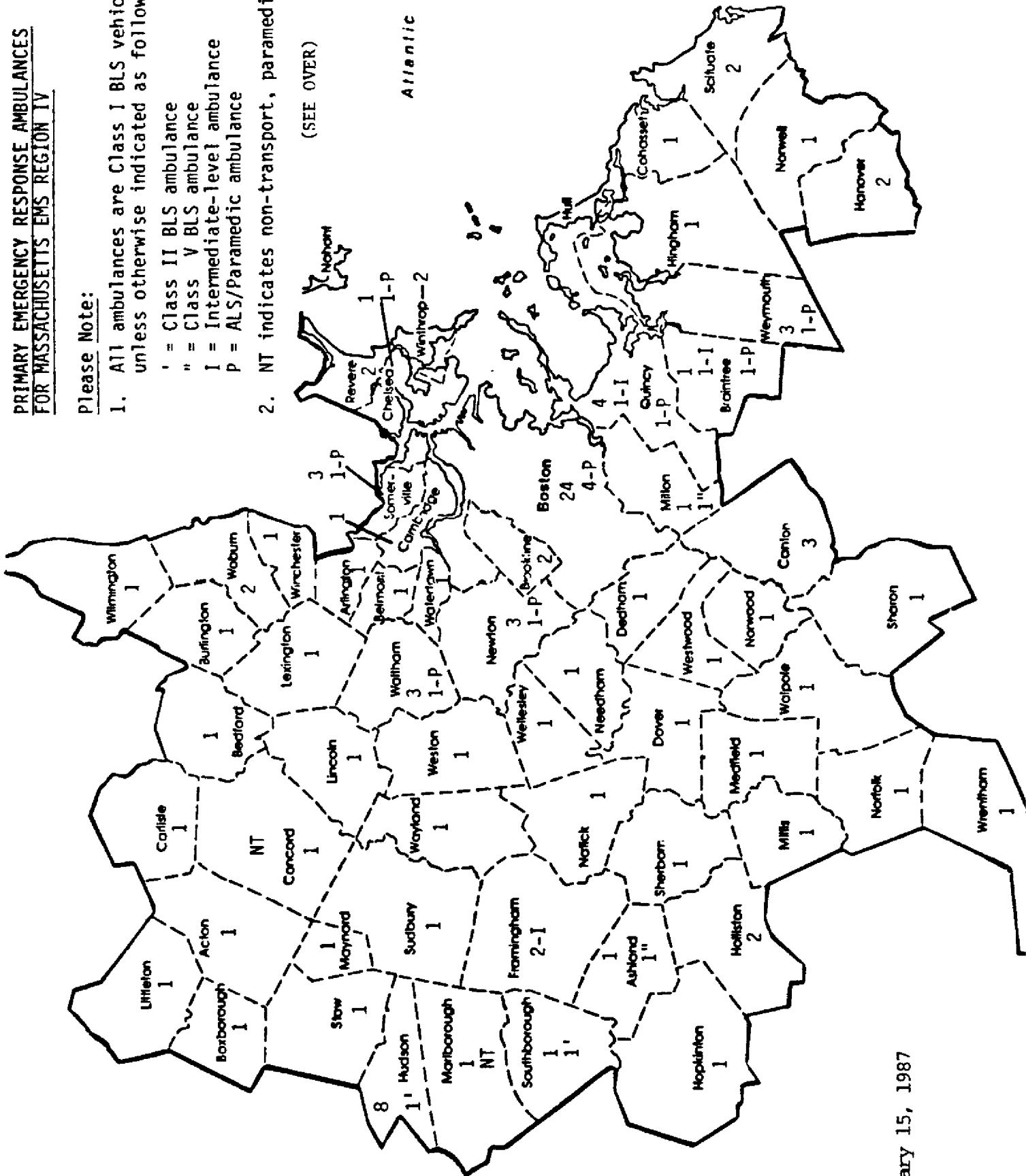
Commonwealth Gas Company

Emergency Service Calls 1-800-572-9300 (24 hr.)

PRIMARY EMERGENCY RESPONSE AMBULANCES
FOR MASSACHUSETTS EMS REGION IV

Please Note:

1. All ambulances are Class I BLS vehicles unless otherwise indicated as follows:
- ' = Class II BLS ambulance
 - " = Class V BLS ambulance
 - I = Intermediate-level ambulance
 - P = ALS/Paramedic ambulance
2. NT indicates non-transport, paramedic units.
- (SEE OVER)



PRIMARY EMERGENCY RESPONDER AMBULANCES
BY TOWN

(List of services provided by the Office of
Emergency Medical Services)

<u>AMBULANCE SERVICE</u>	<u>BLS</u>	<u>INTERMEDIATE</u>	<u>ALS</u>
Boston Med Flight - Air Ambulance, serving all towns			1+
<u>Acton</u> Fire Department	1		NT from F*
<u>Arlington</u> Rescue	1		
<u>Ashland</u> Fire Department	1, 1"		
<u>Bedford</u> Fire Department	1		NT from E
<u>Belmont</u> Fire Department	1		
<u>Boston</u> Health and Hospitals EMS	17		4
<u>Boxborough</u> Fire Department	1		NT from E
<u>Braintree</u> : Bay State Amb. Serv.	1	1	1
<u>Brookline</u> : Metro Amb.	2		
<u>Burlington</u> Fire Department	1		
<u>Cambridge</u> Fire Department	1		
<u>Canton</u> Fire Department	3		
<u>Carlisle</u> Fire Department	1		NT from E
<u>Chelsea</u> : Cataldo Amb. Serv.	1		
<u>Cohasset</u> Fire Department	1		
<u>Concord</u> Fire Department	1		NT from E
<u>Dedham</u> : Metro Amb.	1		
<u>Dover</u> Fire Department	1		
<u>Framingham</u> Fire Department	1		1
<u>Hanover</u> Fire Department	2		
<u>Hingham</u> Fire Department	1		
<u>Holliston</u> Fire Department	2		
<u>Hopkinton</u> Fire Department	1		
<u>Hudson</u> : Marlboro-Hudson Amb. Serv.	8, 1'*		NT from M**
<u>Hull</u> Fire Department	1		
<u>Lexington</u> Fire Department	1		NT from E
<u>Lincoln</u> : Town of Lincoln Amb. Serv.	1		NT from E
<u>Littleton</u> Fire Department	1		NT from E
<u>Marlboro</u> : Marlboro-Hudson Amb. Serv. (see * above)			NT from M
<u>Maynard</u> Fire Department	1		NT from M
<u>Medfield</u> Police Department	1		
<u>Millis</u> Ambulance Service	1		
<u>Milton</u> Police Department	1, 1"		
<u>Natick</u> Fire Department	1		
<u>Needham</u> Amb. Serv.	1		
<u>Newton</u> : Chaulk Amb. Serv.	3		
<u>Norfolk</u> Amb. Serv.	1		
<u>Norwell</u> Fire Department	1		
<u>Norwood</u> Fire Department Amb. Serv.	1		
<u>Quincy</u> : Bay State Amb. Serv.	4	1	1

*Non-transport paramedic unit from Emerson Hospital Paramedic Service

**Non-transport paramedic unit from Marlboro Hospital Paramedic Service

' = Class II ambulance (non-emergency transport ambulance or back-up,
emergency ambulance)

+ = Class IV ambulance (air ambulance)

" = Class V ambulance (vehicle which does not meet minimum vehicle and
construction standards of any other class of
ambulance but which may be used to carry a
patient in a horizontal position)

Appendix E (con't)

Primary Emergency Responder Ambulance
by Town (con't)

<u>Ambulance Service</u>	<u>BLS</u>	<u>Intermediate</u>	<u>ALS</u>
<u>Revere</u> : Bay State Amb. Serv.	1		
<u>Scituate</u> Fire Department	2		
<u>Sharon</u> Amb. Serv.	1		
<u>Sherborn</u> Fire Department Rescue Squad	1		
<u>Somerville</u> : Cataldo Amb. Serv.	3		1
<u>Southborough</u> Fire Department	1, 1'		NT from M
<u>Stow</u> Emergency Medical Serv.	1		NT from E&M
<u>Sudbury</u> Fire Department	1		NT from E&M
<u>Walpole</u> Ambulance Serv.	1		
<u>Waltham</u> : Chaulk Amb. Serv.	3		1
<u>Watertown</u> Fire Department	1		
<u>Wayland</u> Fire Department	1		NT from E
<u>Wellesley</u> Police Department	1		
<u>Weston</u> Fire Department	1		
<u>Westwood</u> Fire Department	1		
<u>Weymouth</u> : Bay State Amb. Serv.	3		1
<u>Wilmington</u> Fire Department	1		
<u>Winchester</u> Fire Department	1		
<u>Winthrop</u> : Cataldo Amb. Serv.	2		
<u>Woburn</u> Fire Department	2		
<u>Wrentham</u> Fire Department	1		

*Non-transport paramedic unit from Emerson Hospital Paramedic Service

**Non-transport paramedic unit from Marlboro Hospital Paramedic Service

' = Class II ambulance (non-emergency transport ambulance or back-up, emergency ambulance)

" = Class V ambulance (vehicle which does not meet minimum vehicle and construction standards of any other class of ambulance but which may be used to carry a patient in a horizontal position)

Appendix F

NON-EMERGENCY AMBULANCE SERVICE BY TOWN

(List of services provided by the
Office of Emergency Medical Services).

<u>AMBULANCE SERVICE</u>	<u>BLS</u>	<u>INTERMEDIATE</u>	<u>ALS</u>
<u>Arlington</u> : Armstrong Amb. Serv.	15		
<u>Boston</u> : Reardon Amb. Serv.	8, 1"		
<u>Boston</u> : Northeastern Univ. Pub. Safety	1		
<u>Boston</u> Community Ambulance	1		
<u>Boston</u> Ambulance Squad	2		
<u>Boston</u> : Brewster Amb. Serv.	12		
<u>Boston</u> : Chaulk Amb. Serv.	7		
<u>Boston</u> Med Flight			1*
<u>Brookline</u> : Stavis Amb. Serv.	3, 9'		
<u>Burlington</u> : Enos Amb. Serv.	4		
<u>Burlington</u> Civil Defense	1		
<u>Cambridge</u> : Professional Amb. Oxygen Serv.	6		
<u>Cambridge</u> : Mass Bay Para/Medical Serv.	7		
<u>Cambridge</u> : MIT Campus Police Amb.	1, 1'		
<u>Concord</u> : Patriot Ambulance, Inc.	3		
<u>Milton</u> : Fallon Amb. Serv.	9, 5'		
<u>Needham</u> : General Amb. Serv.	1, 4'		
<u>Newton Wellesley Waltham</u> Ambulance	3		
<u>Quincy</u> Civil Defense	1"		
<u>Quincy</u> : General Dynamics Corporation	1		
<u>Quincy</u> : Brewster Amb. Serv.	4		
<u>Waltham</u> Civil Defense	1		
<u>Waltham</u> : Para Medical Amb. Serv.	3		
<u>Wrentham</u> State School	1, 1'		

' = Class II ambulance (non-emergency transport ambulance or back-up,
emergency ambulance)

" = Class V ambulance (vehicle which does not meet minimum vehicle and
construction standards of any other class of
ambulance but which may be used to carry a
patient in a horizontal position)

Appendix G

MUTUAL AID DISPATCH *

(Instructions: This form is provided for use by your ambulance service to prioritize by proximity local ambulance services you would need to contact should you require mutual aid assistance).

For a multiple casualty incident in the town/city of: _____

[illegible]

* Consult ambulance and emergency telephone number lists.

Appendix H

SUGGESTED READING LIST

ARTICLESDisaster Training and Management

- "Developing an Emergency Medical Disaster Plan for an Airport." Pixley, J. I., Aviation Space and Environmental Medicine, Vol. 51, No. 11 (November 1980): 1258-9.
- "Hospital Organizational Response to the Nuclear Accident at Three Mile Island: Implications for Future-Oriented Disaster Planning," Maxwell, Christopher, BA, RRT, American Journal of Public Health, Vol. 72, No. 3 (March 1982): 275-9.
- "Medical Incident Command: Planning for Performance." Morris, Gary P., Journal of Emergency Medical Services (April 1982): 24-37.
- "The MGM Grand Hotel Fire: Lessons Learned from a Major Disaster," Buerk, Charles A., M.D., et al, Archives of Surgery, Vol. 117 (May 1982): 641-4.
- "Triage 1982: You've Trained for the Big One, But Are You Ready for the Little Disaster?", Cohen, Eddi, Journal of Emergency Medical Services (August 1982): 24-8.
- "The Rural Interhospital Disaster Plan: Some New Solutions to Old Problems." Skiendzielewski, John J., M.D., and Dula, David J., M.D., The Journal of Trauma, Vol. 22, No. 8 (August 1982): 694-7.
- "The Hyatt Regency Skywalk Collapse: An EMS-Based Disaster Response.: Orr, S.M. and Robinson, W.A., Annals of Emergency Medicine, Vol. 12, No. 10 (October 1983): 601-5.
- "Disaster Preparation-Developing a Plan," Herman, R.E., Emergency, Vol. 15, No. 1 (1983): 28-9, 43.
- "Disaster - Prepare for the Possibility," Simoneau, J.K., Alabama Journal of Medical Sciences, Vol. 20, No. 1 (1983): 102-6.
- "The Challenge of Casualties en Masse," Emergency Medicine, Vol. 15, No. 7 (1983): 110-6, 121, 124, 126, 128, 131, 133-5, 139, 143, 148, 150-1, 153.
- "Contingency Planning for and Response to Emergencies and Accidents Involving Toxic Chemicals," Focchier, F., et al, Chemosphere, Vol. 12, No. 4-5 (1983): 745-8.

Appendix H (con't)

- "Disaster Management and Relief - a Bibliography," (review) Disasters, Vol. 7, No. 1 (1983): 64-72.
- "When Disaster Strikes in Boston," Emergency Medicine Vol. 15, No. 10 (1983): 28-32, 39, 40.
- "Pitfalls in Disaster Management," Ramsy, A. and Warren, G., JEMS, Vol. 8, No. 10 (1983): 46/7.
- "The Role of a Trauma Center in Disaster Management," Jacobs, L.M., et al, Journal of Trauma, Vol. 23, No. 8 (1983): 697-701.
- "Disaster Planning," Shafer, N.C., Journal of Prehospital Care, Vol. 1, No. 4 (1984): 34-7.
- "Blueprint for Disaster Planning," Ventimiglia, M., Fire Engineering, Vol. 137, No. 7 (1984): 30.
- "Emergency Preparedness for Radioactive Materials Highway Accidents," Sparks, R.L., Police Chief, Vol. 51, No. 7 (1984): 65-7.
- "Emergency Care for Mass Gatherings - Proper Planning to Improve Outcome," Whipkey, R.R., et al, Postgraduate Medicine, Vol. 76, No. 2 (1984): 44.
- "Myths of Mass Casualty Training," Morris, G.P., JEMS, Vol. 9, No. 4 (1984): 43/5.
- "An All-Hazards Approach to Emergency Management," Guiffrida, L.O., Police Chief, Vol. 51, No. 5 (1984): 32-4.
- "Technique Tips: Hazardous Materials," Emergency Medical Services, Vol. 13, No. 2 (1984): 60, 63-6.
- "Chemical Disaster Preparedness at the Local Community Level," Quarantelli, R.L., et al, Journal of Hazardous Materials, Vol. 8, No. 3 (1984): 239-249.
- "The Psychological Impact of Disaster on Rescue Personnel," Durham, T.W., et al, Annals of Emergency Medicine, Vol. 14 No. 7 (July 1985): 664-8.

Appendix H (con't)

BOOKS

- Readings in Disaster Preparedness for Hospitals

A collection of 30 articles from various publications, all relating to the formulation of disaster plans for hospitals and the results of several existing plans. Topics include community wide planning, disaster preparedness, food service, medical records, radio communications, supplies and inventory, training, and disaster plans in use. Published 1973, 127 pp. illus. Item no. 181138. Price - \$11.25.

Available from: American Hospital Association
840 North Lake Shore Drive
Chicago, IL 60611

- Mass Casualties: A Lesson Learned Approach Accidents, Civil Unrest, Natural Disaster, Terrorism

Proceedings of the First International Assembly on Emergency Medical Services held in June 1982, sponsored by the U.S. Department of Transportation. Focusing on mass casualties, this report provides accounts from 16 countries of incidents in a "lesson-learned" approach involving civil disturbances, man-made, technical, and natural disaster, and their impact on EMS. The spectrum of incidents range from attempted assassination of public figures and hostage situations, to mass casualty producing events, such as subway crashes and earthquakes. Published October 1982.

Available from: U.S. Department of Transportation
National Highway Traffic Safety Administration
400 7th Street, S.W.
Washington, D.C. 20590

- Casualty Officer's Handbook, The (4th Edition)
By David Wilson and Malcom Hall, 288 pp. 75 illus., \$29.95
Butterworths Publishers, Inc., Woburn, MA, 1979.

Available from: Butterworths Publishers, Inc.
10 Tower Office Park
Woburn, MA 01801
(617) 933-8260

- Disaster Operations, A Handbook for Local Governments
By contributors from Federal Emergency Management Agency,
179 pp. illus., FEMA, Washington, D.C., 1981.

Available from: Federal Emergency Management Agency
Washington, D.C. 20472
(202) 634-6660

Appendix H (con't)

- Disaster Planning - A Manual for Doctors, Nurses, and Administrators
By P.F.A. Savage, 143 pp. illus., \$11.75 (paper) Fergamon Press,
Elmsford, N.Y., 1979.

Available from: Fergamon Press
Maxwell House
Fairview Park
Elmsford, New York 10523
(914) 592-7700

- Disaster Survival Handbook
By Alton L. Thygerson, 256 pp. 50 illus., \$7.95, Brigham Young
University Press, Provo, Utah, 1979.

Available from: Brigham Young University Press
205 University Press Building
Provo, Utah 84602
(801) 378-4707

- Disasters: An Emergency Care Workbook
By Eddi Cohen, illus., \$23.00, CCRT, San Diego, Calif., 1982

Available from: California College of Respiratory Therapy
1810 State Street
San Diego, California 92645

- Emergency and Disaster Management - A Mental Health Sourcebook
Edited by H.J. Parad, H.J.P. Resnik, and L.G. Parad, 497 pp.
\$28.95, Robert J. Brady, Co., Bowie, Md., 1976.

Available from: Robert J. Brady Company
Routes 450 & 197
Bowie, Maryland 20715
(800) 638-0220

Appendix I

PUBLICATIONS AVAILABLE FOR PURCHASE

The publications listed below have been produced by the Disaster Research Center. The cost of each publication is indicated for material currently available. Effective July 15, 1986, because of the costs and complications otherwise involved in processing, no orders can be accepted unless there is prepayment. There are no exceptions to this rule and orders submitted without prepayments will be returned unfilled to sender. Materials are sent "Library Rate": if you require first class mail service, and \$1.00 per publications ordered. Make checks payable to: Disaster Research Center. (Be sure to specify the number of the publication as indicated below).

Send payment and order to: Disaster Research Center
Newark, Delaware 19716
(302) 451-6618

BOOK AND MONOGRAPH SERIES

8. Proceedings of Organizational and Community Response to Disasters. The Japan-United States Disaster Research Seminar held September 11-15, 1972 in Columbus, Ohio. (1972). (\$7.50 per copy).
13. Kathleen J. Tierney and Barbara Baisden, Crisis Intervention Programs for Disaster Victims: A Source Book and Manual for Smaller Communities. (Washington D.C.: U.S. Government Printing Officer, 1979). DHEW Publication No. (ADM) 79-875. Available only from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., Stock Number 017-024-00918-1 at a cost of \$4.50 per copy. (Not available from DRC).
15. E.L. Quarantelli, Delivery of Emergency Medical Services in Disaster: Assumption and Realities. (New York: Irvington Press, 1983). Available from the Disaster Research Center. \$9.50 per copy.
18. E.L. Quarantelli, Sheltering and Housing After Major Community Disaster, Case Studies and General Observations. (Initially issues as DRC Final Project Report #29, 1983: reissued 1984). (\$7.50 per copy).

REPORT SERIES

4. Community Functions Under Disaster Conditions. Dennis R. Wanger and Arnold Parr, 1969. (\$15.00 per copy).
5. Military-Civilian Relations During Disaster Operations. William A. Anderson, 1986. (\$7.00 per copy).

Appendix I (con't)

16. The Role of Local Civil Defense in Disaster Planning. Russell B. Dynes and E.L. Quarantelli, 1977. (\$11.00 per copy).
18. Organizational Behavior in Disasters and Implications for Disaster Planning. E.L. Quarantelli, 1985 (\$5.00 per copy). (First issued as part of FEMA Monograph series, 1984).

ARTICLES

26. "A Brief on Disaster Plan." Parr, Arnold R., EMO National Digest, Vol. 9 (August - September 1969): 13-5.
65. "When Disaster Strikes (It Isn't Much Like What You've Heard and Read About)." Quarantelli, E.L. and Dynes, Russell R., Psychology Today, Vol. 5 (February 1972): 66-70. (Not available from DRC). (Longer versions available as Preliminary Papers #51).
99. "The Handling of the Dead in a Disaster." Hershiser, Marvin and Quarantelli, E.L., Omega, Vol. 7 (1976): 196-208. (Not available from DRC).
106. "EMS Delivery in Mass Emergencies: Preliminary Research Findings," Tierney, Kathleen J., and Taylor, Verat A., Mass Emergencies, Vol. 2 (September 1977): 159-68.
107. "Some Observations on the Effects of the EMS Law on Disaster Related Delivery Systems," Worth, Marti F., and Stroup, Janet Mass Emergencies, Vol. 2 (September 1977): 159-68.
108. "The Problem of Needs Assessment in the Delivery of EMS," Doles, Judith A., and Gurney, Patrick J., Mass Emergencies, Vol. 2 (September 1977): 179-88.
118. "Disaster Preparation Planning," Quarantelli, E.L. and Tierney, Kathleen, Fire Safety and Disaster Preparedness (Washington, D.C.: Office of Public Sector Programs, American Association for the Advancement of Science, 1979): 261-313.
122. "Emergency Medical Services Delivery in Disasters," Dynes, Russell R., Collected Papers in Emergency Medical Services and Traumatology, ed. by R. Adams Cowley (Baltimore, Maryland: University of Maryland, School of Medicine, 1979): 55-8 (Not available from DRC).