MASS PS 40.2: C73/BERK.-FRANK.-HAMPD.-HAMPS. CTX.

* UMASS/AMHERST * 312066 0361 4556 3



Commonwealth of Massachusetts







COMMUNITY SHELTER PLANS

CIVIL DEFENSE INFORMATION IN TIME OF INTERNATIONAL TENSION OR CRISIS

During a period of growing international tension, all normal methods of

BERKSHIRE COUNTY FRANKLIN COUNTY

CIVIL DEFENSE INFORMATION INTIME OF

communication-such as newspapers, racio and television will be used to get civil defense information to the people. Visitors should make arrangements to return home if an attack seems probable.

If you are warned of a nuclear attack, go to a public fallout shelter or to your home basement immediately, tune your battery powered radio to a local station and listen for additional information and instructions.

Stay in shelter until you are advised by local government officials that it is safe to come out.

Your local Civil Defense Director and other local public officials, under the guidance of State and Federal Civil Defense Agencies, have been working for some time to develop the best plan for survival in the event of Nuclear Attack using presently available resources.

The basements of many homes in this area, because of the substantial type of construction, will provide a degree of protection against radioactive fallout, with those persons not able to take shelter at home being provided space in public shelter.





The Community Shelter Plan is Option I of the Nuclear Civil Protection Program for Massachusetts and would be implemented if insufficient time was available for evacuating people from areas that would be subject to direct blast damage.

Option II of the Nuclear Civil Protection Program provides instructions on the relocation of people from the blast risk areas to the safer host areas and is known as the Crisis Relocation Plan, now being prepared.

You will be advised as to which part of the program to follow based on the international situation.

The role of the Civil Defense Agency is the coordination of all resources of the Commonwealth to avert, compat, and minimize the effects of disaster, natural, man-made, or war caused.

This plan is designed to increase your ability to survive the effects of a nuclear attack.



SAVE THESE PLANS-THEY MAY SAVE YOUR LIFE

Where to go... What to do...

• IF A VERY BRILLIANT FLASH OR SHOCK OCCURS

and you are not in a shelter, act as follows:

If indoors, drop to the floor; get under a bed, desk, or heavy table; and stay on the floor out of line of flying glass, shielding face and head. If outdoors, quickly get behind a tree, into a ditch, or other protection. Then go immediately to the best shelter you can reach within one hour. If you cannot reach a public shelter or your home basement, choose any substantial building for protection.



The ATTACK WARNING SIGNAL is a 3-to-5 minute wavering tone of sirens, or it may be given to you by radio or television. The ATTACI WARNING SIGNAL shall mean that an actual attack against the country has been detected and that protective action should be taken immediately.

IF YOU MUST USE YOUR HOME FOR A SHELTER

Study the following on how to improvise shelter

HOW TO IMPROVISE SHELTER AT HOME

If you are required to take shelter at home, you can add additional protection to that which already exists. Although this might be possible at the time you receive warning to take shelter, a certain amount of pre-planning is necessary if satisfactory results are to be expected. NOW IS THE TIME TO DECIDE WHAT YOU WILL DO AND HOW YOU WILL DO IT.

WHAT TO DO NOW



PROTECTION
IN A HOME

BASEMENT SHELTER



WHAT TO DO NOW

- (1) Study the sketches and decide which is applicable to your situation and select a shelter location.
- (2) Take note of available shielding materials such as bricks, concrete blocks, sand or loose earth which could be moved quickly.

Other things could also be used as shielding material, or to support shielding material, such as:

- House doors that have been taken off their hinges (especially heavy outside doors).
- Dressers and chests (especially if the drawers are filled with sand or earth).
- Tables and bookcases.
- Large appliances (such as washers, dryers, TV and hi-fi sets).
- Trunks, boxes and cartons (if filled with earth, sand or other heavy material).
- Books, magazines, and stacks of firewood or lumber.
- Flagstones from outside walks and patios.
- (3) If no shielding materials are presently available, obtain and store some in a convenient location.
- (4) Take note of nonperishable foods normally kept in the home. If these are not sufficient to maintain your family for two weeks, increase the supply.



IMPORTANT REMINDER

Public Shelter only for those people who do not have a home basement or cannot reach home within 30 minutes after warning to take shelter.

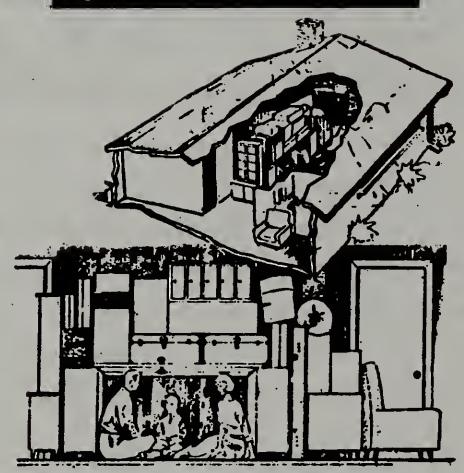
There are commercial buildings not in this listing that afford excellent shelter and are for the use of the occupants only. This information is available from the building owner or local Civil Defense Director.



SELECT THE CORNER OF YOUR BASEMENT WHERE THE GROUND LEVEL OUTSIDE IS HIGHEST. THIS IS THE SAFEST PLACE IN THE BASEMENT.

Place boxes or drawers on top of a sturdy table or workbench and fill with heavy material, such as dirt or sand. If the sides of the basement away from the shelter area have more than two feet of outside wall exposure, materials should also be placed around the open sides of the table. Be very careful not to overload the table to the point of collapse.

GROUND FLOOR SHELTER



Place boxes or drawers on top and around the sides of a sturdy table or workbench and fill them with heavy materials. Often a makeshift table can be made by using doors supported by cabinets or other pieces of furniture.

BOATS FOR PROTECTION

If no better fallout protection is available, a boat with an enclosed cabin could be used. However, in addition to emergency supplies such as food, drinking water and a battery-powered radio, you should have aboard the items you would need (a broom, bucket, or pump-and-hose) to sweep off or flush off any fallout particles that might collect on the boat.

The boat should be anchored or cruised slowly at least 200 feet off-shore, where the water is at least 5 feet deep. This distance from shore would protect you from radioactive fallout particles that had fallen on the nearby land. A 5-foot depth would absorb the radiation from particles falling into the water and settling on the bottom.

If particles drift down on the boat, stay inside the cabin most of the time. Go outside now and then, and sweep or flush off any particles that have collected on the boat.

ON A FARM

You should place as much of your livestock and produce in barns as you can. A normally filled hayloft affords some shielding from fallout radiation for animals below. Farm machinery, troughs, wells, and any produce you cannot get into barns should be covered with tarpaulins. You should store as much water in covered containers as you can, taking precautions already outlined. Radiation harms only living creatures; therefore, food, water, etc., would be safe if covered.

Afterward, any livestock exposed to fallout could be washed or brushed to remove fallout particles. Water from wells and streams would be safe for animal use.

Animals which have been exposed to early fallout or which have fed on contaminated pastures could be slaughtered and the muscle meat would be fit for human consumption. Internal organs, however, such as the liver and spleen, should not be eated unless no other food is available.

Chickens and eggs would be a particularly important direct food resource because they are relatively resistant to radiation, especially if they are raised under cover using safe packaged feeds.

Milk from cows that have grazed on contaminated pastures would be radioactive, but in the absence of other food in an emergency, it could be used.

Potatoes, corn and other field crops exposed to early fallout would be safe to eat after cleaning.

Your County agent can help you decide what crops, pasturage and methods will be best and safest to use. Seeds of all sorts are quite resistant to radiation and do not require any special protection.

For additional information refer to U.S. Dept. of Agriculture Farmers' Bulletin No. 2107.

Fallout



LIVES

LIVESTOCK PROTECTION



YOUR FAMILY EMERGENCY PLAN

Fill out the family emergency plan below. This will show each member of your family WHERE TO GO and WHAT TO DO in case of nuclear attack. Enter the names of all members of your family in boxes at the left. Write in the name and location of the building where each person will take shelter in the two right-hand columns.

NAME	IF AT WORK, or AT SCHOOL TAKE SHELTER AT:	IF AT HOME TAKE SHELTER AT:

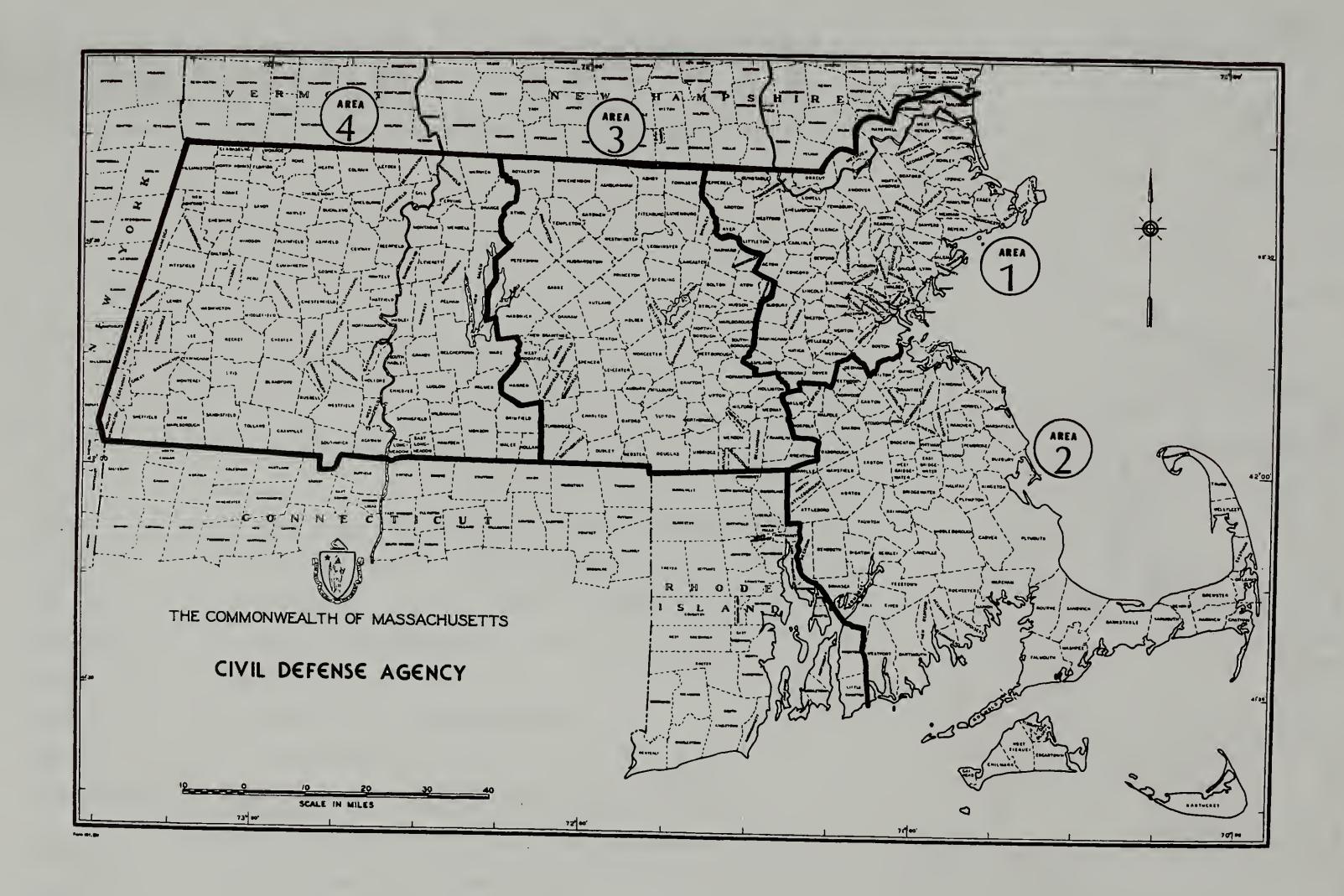
For further assistance on more information, call your local Civil Defense Director. If you cannot contact your local office, call the State Civil Defense Office in the area in which you live:

Area 1	Area 3
851-7251	366-5321
944–1184	366-2139
Area 2	Area 4
697-3111	323-6306

マクマーちのちち

C07 7600

Earth,



MR 355/13 C64 1978

BERKSHIRE

COUNTY

PUBLIC SHELTER INSTRUCTIONS

- 1. Follow instructions listed below.
- 2. Not all public shelters are stocked, so take whatever food and water you can carry as well as medicines.

IF YOU ARE IN:

ADAMS - See map.

ALFORD - Go to the Rising Mill, Building 4, Park Street, Housatonic.

BECKET - Go to the Bay State Mill, Route 9, Dalton.

CHESHIRE - Go to the Adams High School, Route 8 in Adams.

CLARKSBURG - Go to the Castle Corporation - Off Route 8.

DALTON - See map.

EGREMONT - Go to the Town Hall, Great Barrington.

FLORIDA - Go to the Gabriel Abbott Memorial School, Off Route 2.

GREAT BARRINGTON - Except Housatonic - go to Town Hall, Main Street.

- Housatonic - go to Rising Mill, Building 4, Park Street.

HANCOCK - Go to the Bronfman Science Center, Williams College.

HINSDALE - Go to the Frissel Block, Maple Street.

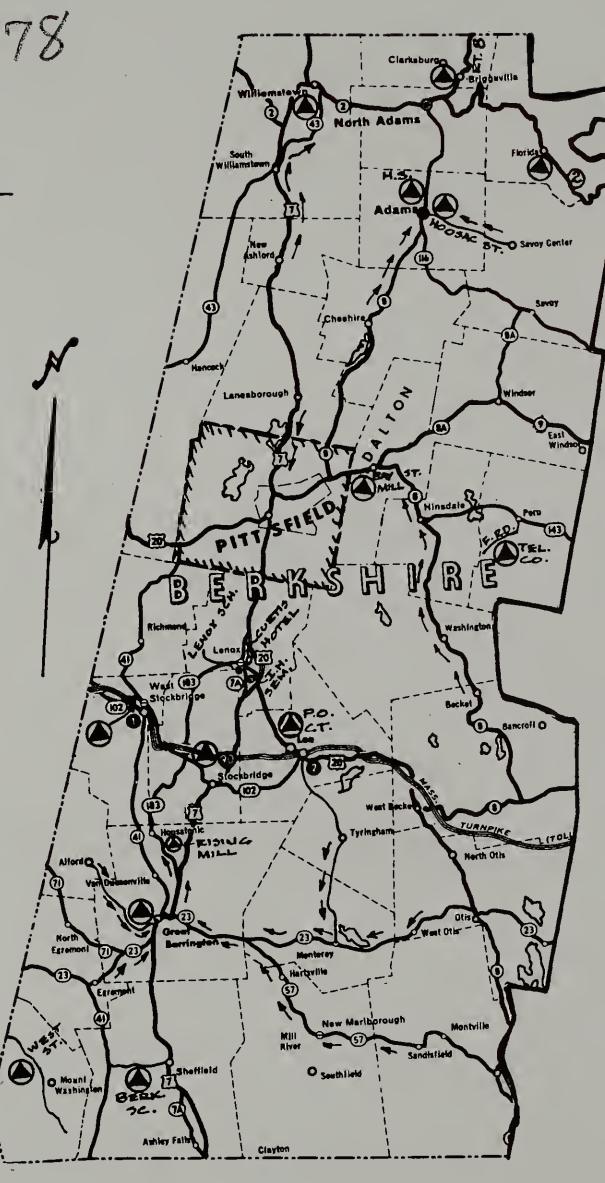
LANESBOROUGH - Go to the Pittsfield General Hospital, Pittsfield (Area D).

LEE - Go to the Post Office or Court House on Main Street.

LENOX - Go to Immaculate Heart Seminary, Kemble Street, or Lenox School,

Kemble Street, or Curtis Hotel, Main Street.

MONTEREY - Go to the Rising Mill, Building 4, Park Street, Housatonic.



TEE - 60 to the lost office of comp monse of water

LENOX - Go to Immaculate Heart Seminary, Kemble Street, or Lenox School,

Kemble Street, or Curtis Hotel, Main Street.

MONTEREY - Go to the Rising Mill, Building 4, Park Street, Housatonic.

MOUNT WASHINGTON - Go to the Potato Storage Cellar, West Street.

NEW ASHFORD - Go to the Gymnasium, Williams College in Williamstown.

NEW MARLBOROUGH - Go to the Rising Mill, Building 4, Park Street, Housatonic.

NORTH ADAMS - See map.

OTIS - Go to the Rising Mill, Building 4, Park Street, Housatonic.

PERU - Go to the Telephone Building, Hickinbotham Road.

PITTSFIELD - See map.

RICHMOND - Go to the Berkshire Life Insurance Company, 700 South Street,

Pittsfield (Area I).

SANDISFIELD - Go to the Rising Mill, Building 4, Park Street, Housatonic.

SAVOY - Go to the Hoosac Street School in Adams (Area B).

SHEFFIELD - Go to the Berkshire School, Berkshire School Road.

STOCKBRIDGE - Go to the Riggs Medical Center, Sargent Street.

TYRINGHAM - - Go to the Rising Mill, Building 4, Park Street, Housatonic.

WASHINGTON - Go to the Bay State Mill on Route 9 in Dalton (Area C).

WEST STOCKBRIDGE - Go to the West Stockbridge School, Route 102.

WILLIAMSTOWN - Go to the Bronfman Science Center, Williams College.

WINDSOR - Go to the Byron Weston Mill, Building 19 in Dalton (Area B).

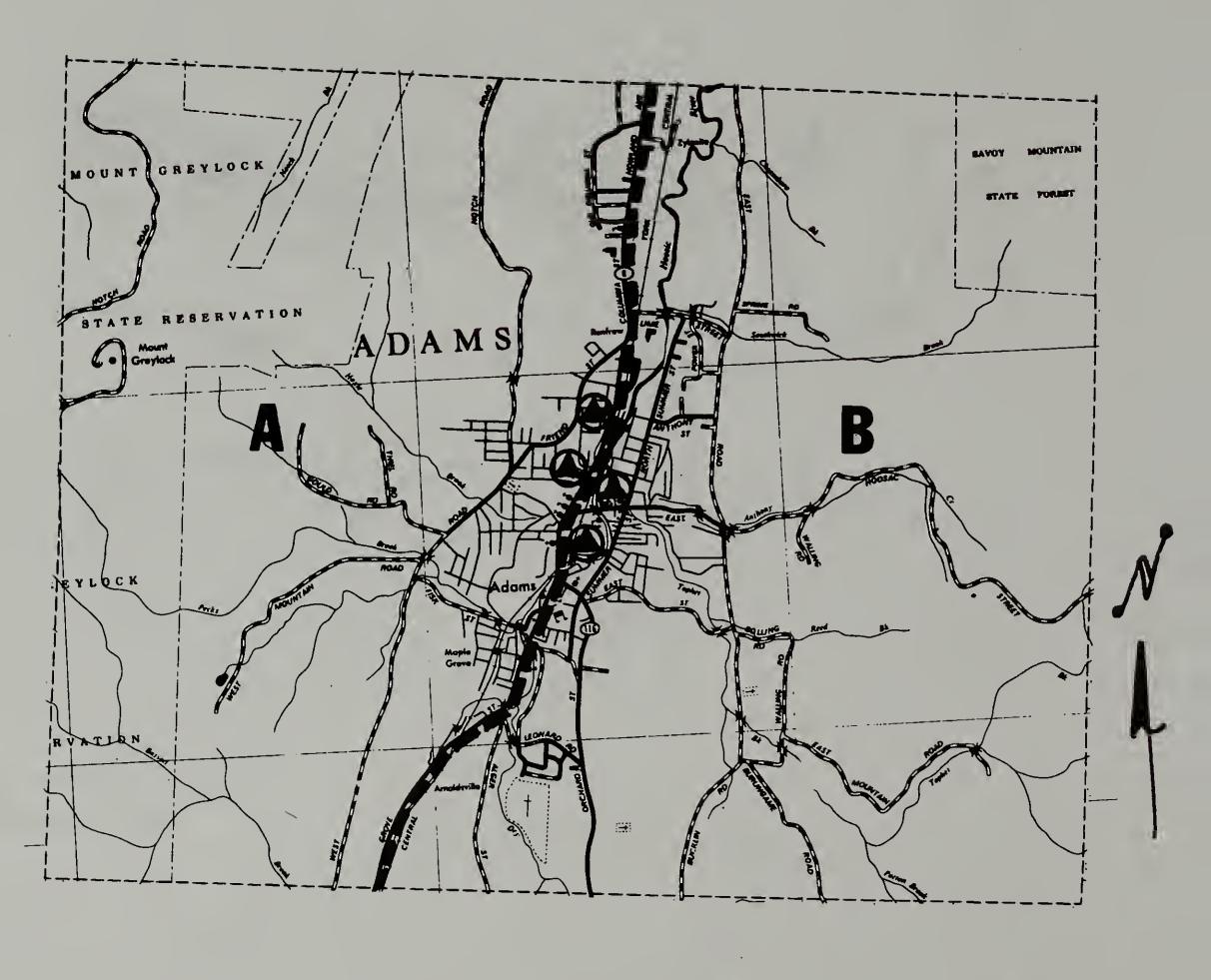
ADAMS

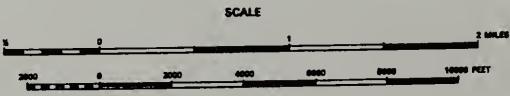
A Adams High School off Rte. 8.

or Renfrew School, Corner of Columbia and Upton Street.

Hoosac School, Hoosac Street.

or Adams Fire Dept., 400 Park St.



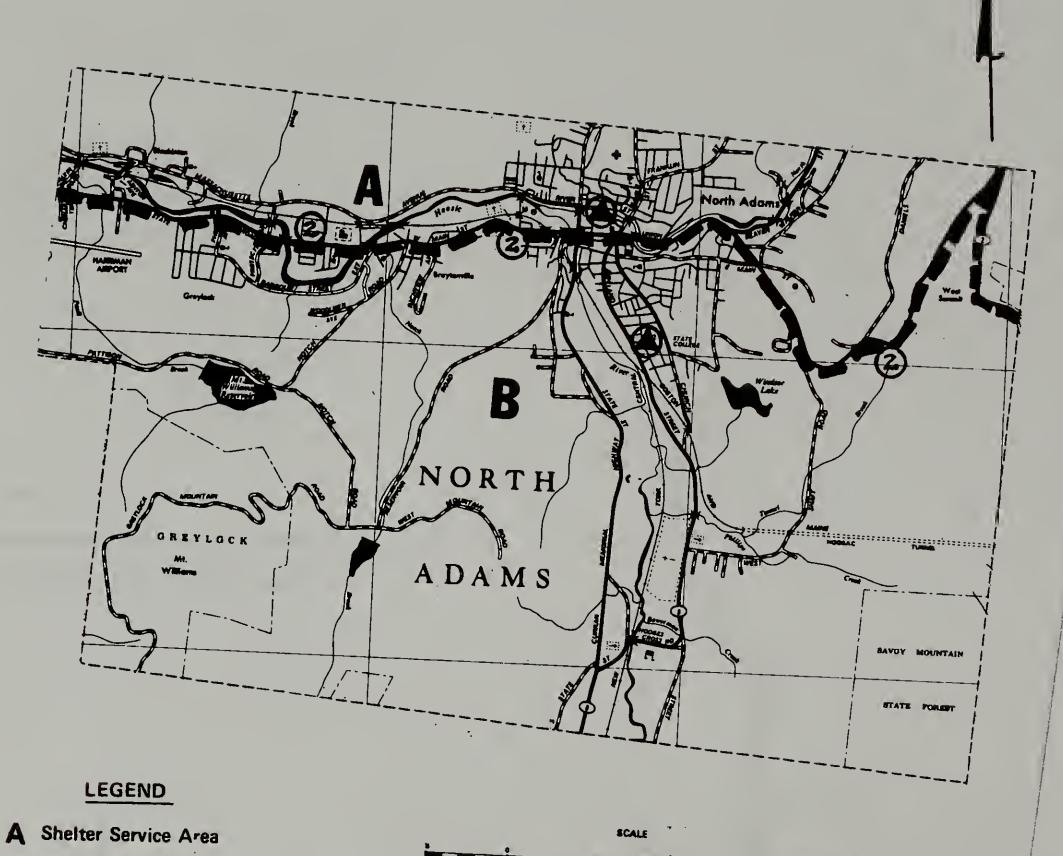


NORTH ADAMS

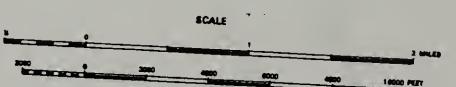
SHELTER AREA St. Joseph's School, Eagle St. North Adams State College, Church Street.

HOW TO USE THIS MAP

- Public Shelter only for those people who cannot use Home Basement for shelter. (See Page 3)
- Identify Your Shelter Area by letter.
- Take Shelter in any Building listed below for your area.
- 4. Not all Public Shelters are Stocked so take what food and water that you can carry as well as medicines.







1.

DALTON



SHELTER

Pioneer Mill, Crane Paper Co.

Berkshire Mill, Crane Paper Co.

Byron Weston Mill - Building 19.

Berkshire Mill, Crane Paper Co.

Byron Weston Mill - Building 19.

" " - " 6.

Bay State Mill - Route 9.

Dalton Jr. High School, Glennon Ave.

Or

Union Block, Main Street.

10W TO USE THIS MAP

Public Shelter only for those people who cannot use Home Basement for shelter.

Identify Your Shelter Area by letter.

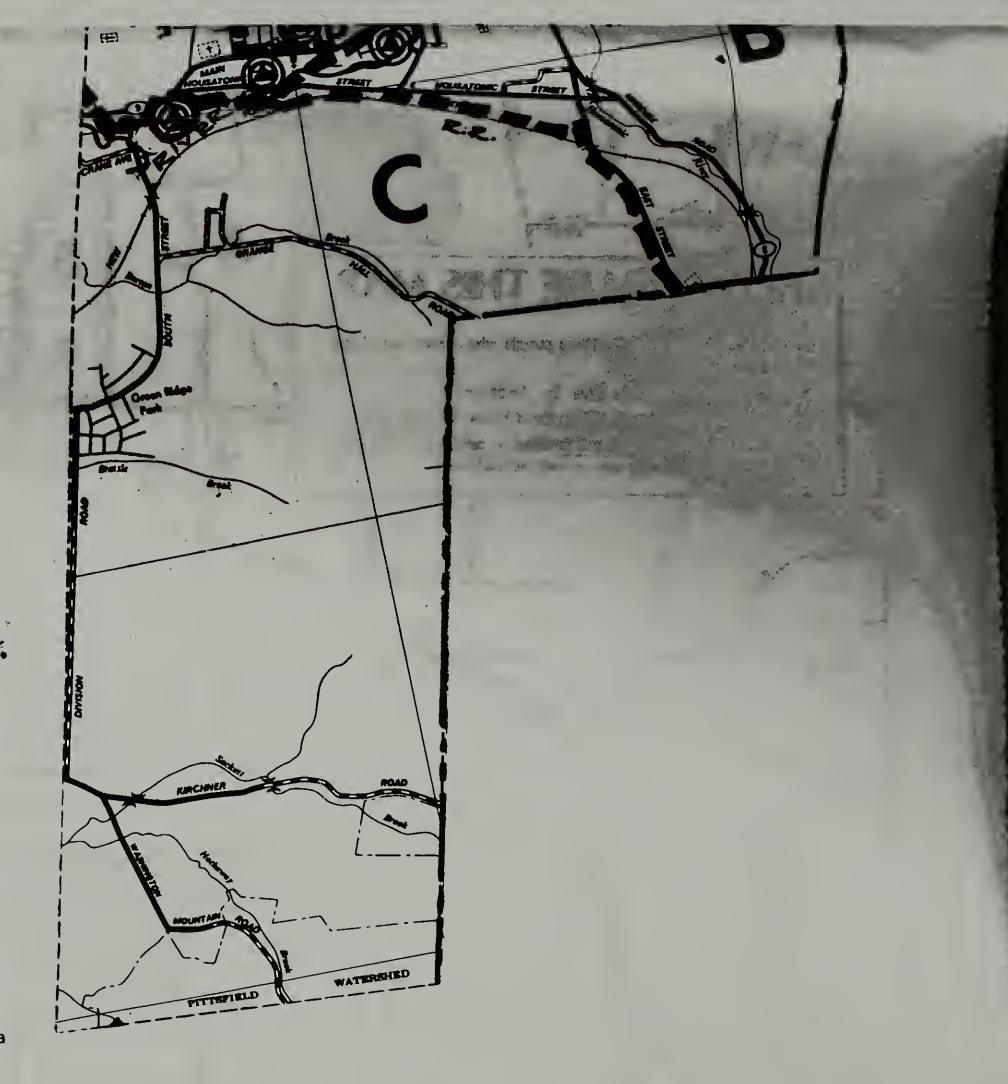
Take Shelter in any Building listed below for your area.

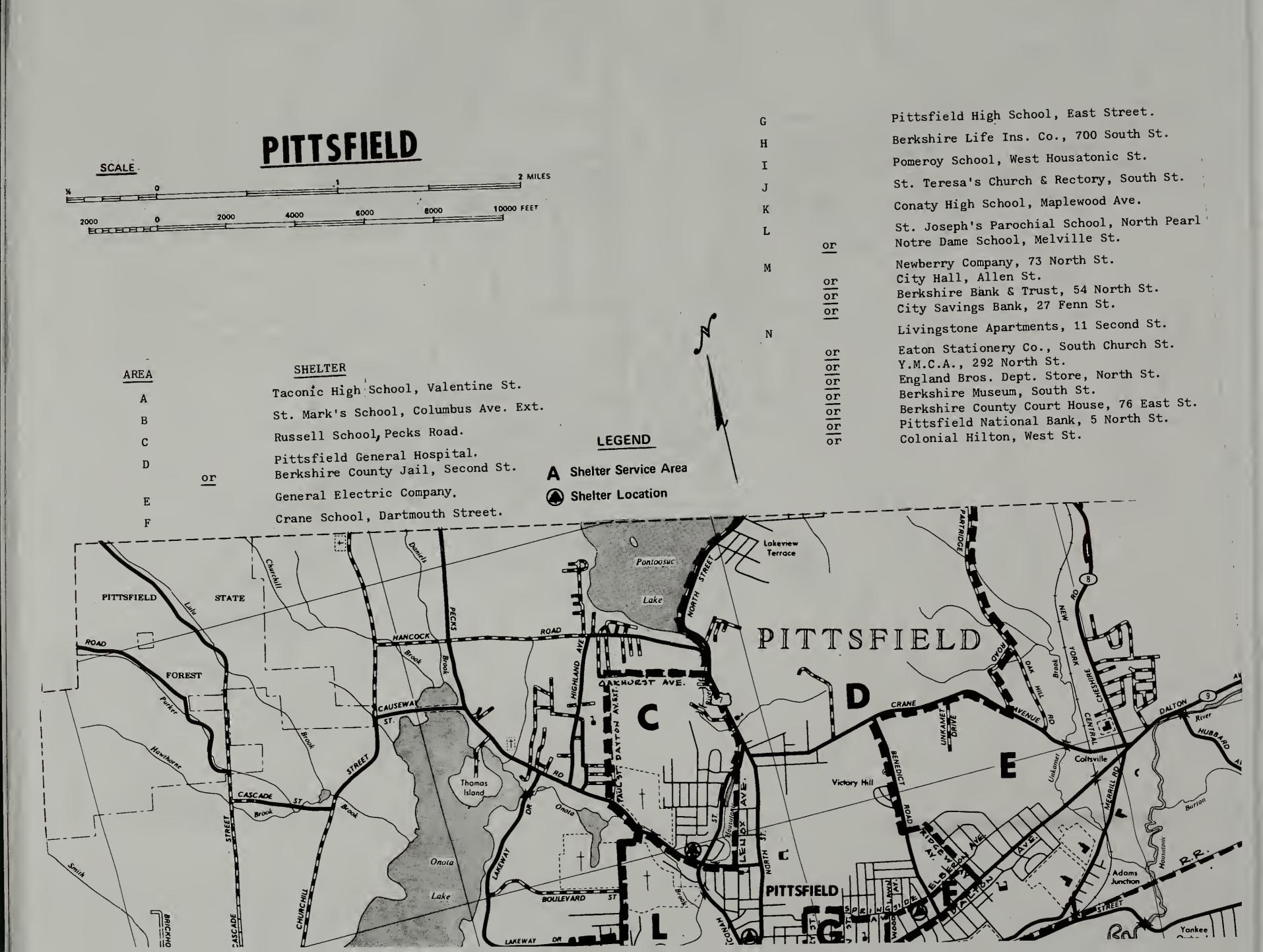
Not all Public Shelters are Stocked so take what food and water that you can carry as well as medicines.

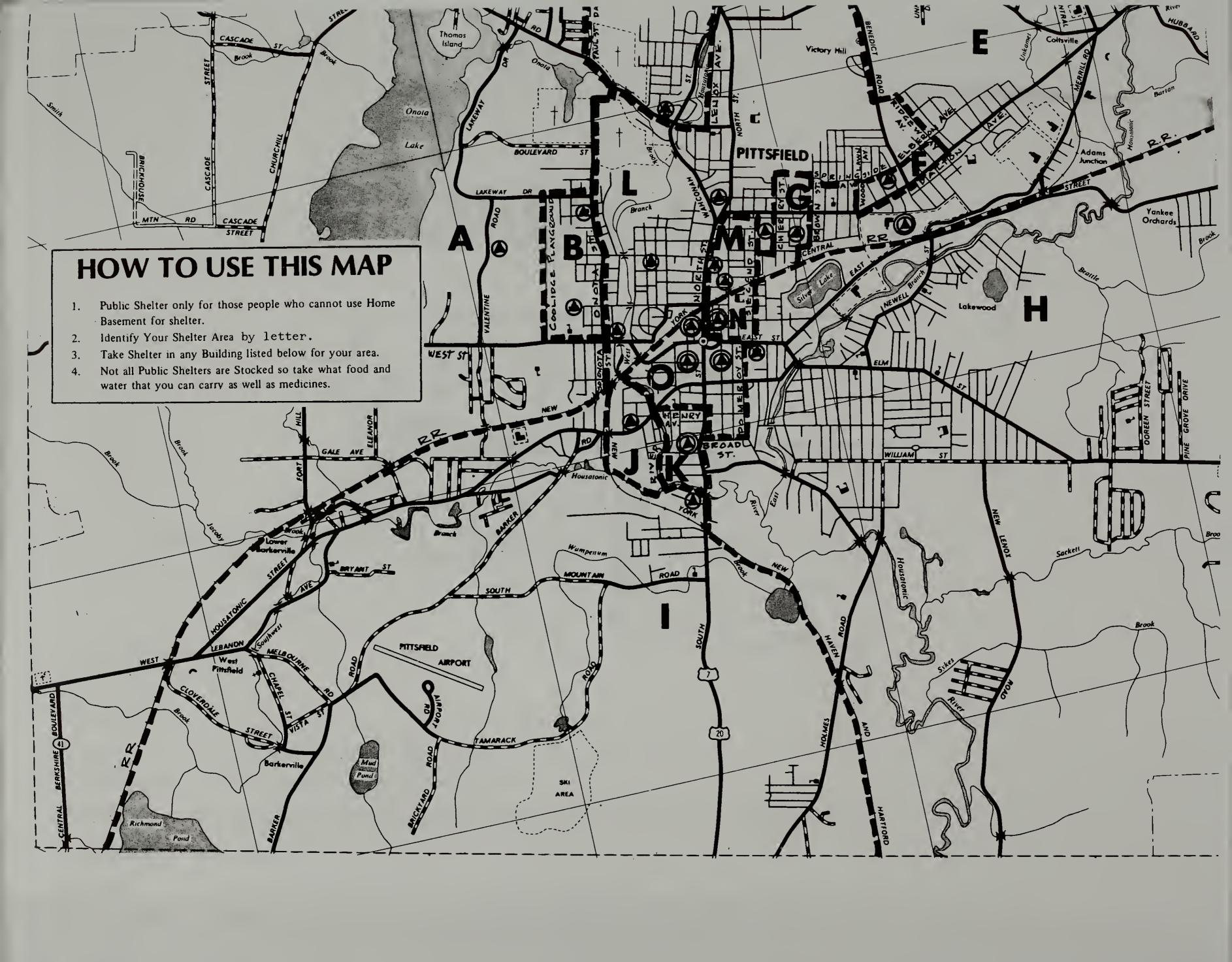
LEGEND

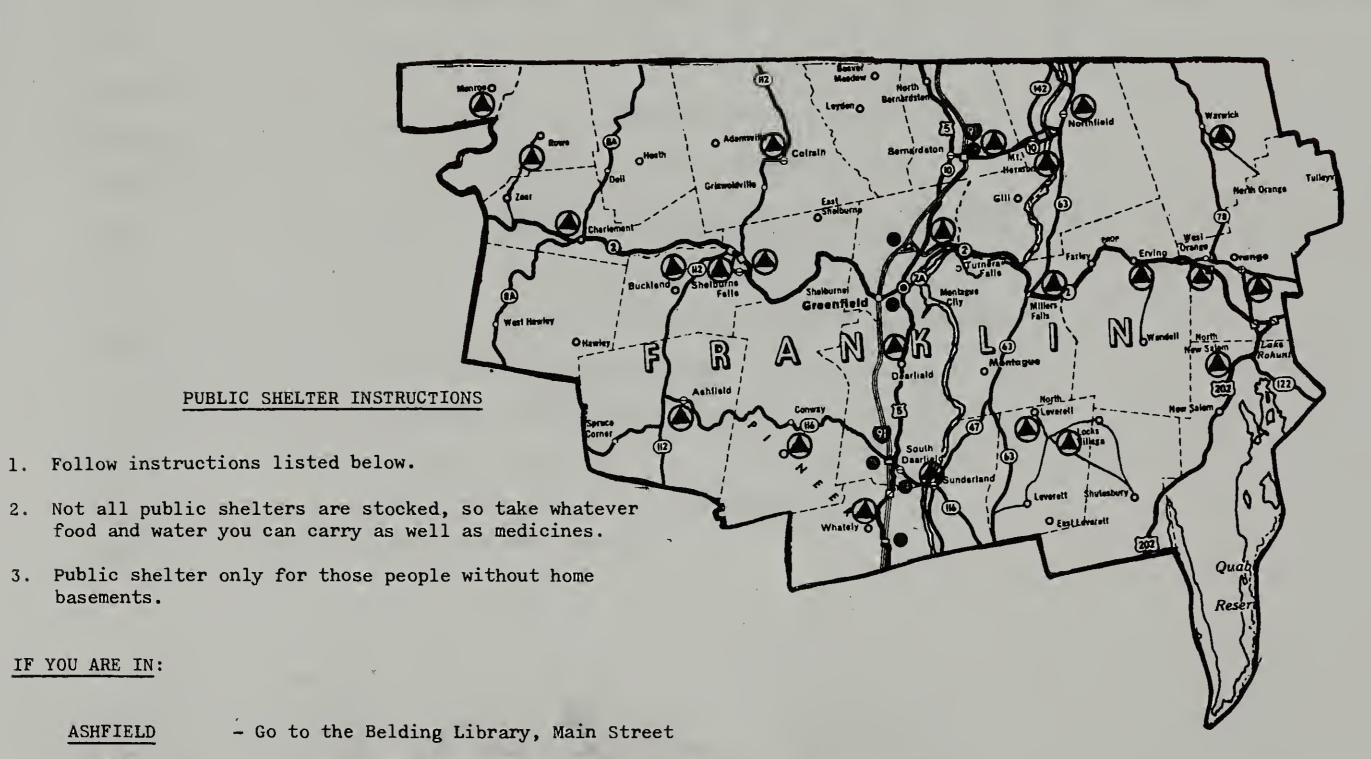
A Shelter Service Area

Shelter Location









BERNARDSTON

- Go to the Powers Institute, Northfield Road

BUCKLAND

- If you are in Shelburne Falls, go to Aubuchon Hardware, 9 State Street, Shelburne Falls. If you are not in Shelburne Falls, go to the Mohawk Trail Regional High School, Route 112.

CHARLEMONT

- Go to Goodnow Hall, Route 2.

COLRAIN

- Go to the Colrain Central School, Jacksonville Road.

COMMAY

- Go to the Field Memorial Library, Main Street.

DEERFIELD

ERVING -

- Go to the Museum Library, Memorial Street.

- If you are in Millers Falls, go to the Millers Falls Paper Company, Route 2.

- Go to the Field Memorial Library, Main Street. CONWAY

- Go to the Museum Library, Memorial Street. DEERFIELD

- If you are in Millers Falls, go to the Millers Falls Paper Company, Route 2. ERVING

If you are not in Millers Falls, go to the Erving Paper Company, Route 2.

- Go to the Cutler Science Center, Mt. Herman School, Mt. Herman Road. GILL

- See Map. GREENFIELD

- Go to Goodnow Hall, Route 2, Charlemont. HAWLEY

- Go to the Mohawk Trail Regional High School, Route 112, Buckland. HEATH

- Moores Corner Church, Church Road. LEVERETT

- Go to the Stoneleigh Prospect School, Bernardston Road, Greenfield. LEYDEN

- Go to the Community Hall, River Road. MONROE

- See Map. MONTAGUE

- Go to the North New Salem Congregational Church, Holtshire Road. NEW SALEM

- Go to the Northfield School, Palmer Hall, Winchester Road. NORTHFIELD

- If you are West of Route 122 and North Main Street, go to the George B. Bent Company, West Main Street. ORANGE

If you are East of Route 122 and North Main Street, go to the Reynolds Block, 13 South Main Street.

- Go to the Post Office, Zoar Road. ROWE

- Go to the Bank Block, 24-26 Bridge Street or store at 43-45 Bridge Street. SHELBURNE

- Go to the Baptist Church, North Leverett. SHUTESBURY

- Go to the Elementary School, School Street. SUNDERLAND

- Go to the Town Hall, Athol Road. WARWICK

- Go to the Erving Paper Company, Route 2, Erving. WENDELL

- Go to the Library on Main Street. WHATELY

GREENFIELD

SHELTER AREA Greenfield Community College, Thayer Rd. Post Office, 442 Main Steet Franklin County Court House, Main St. GREENFIELD MONTAGUE MONTAGUE



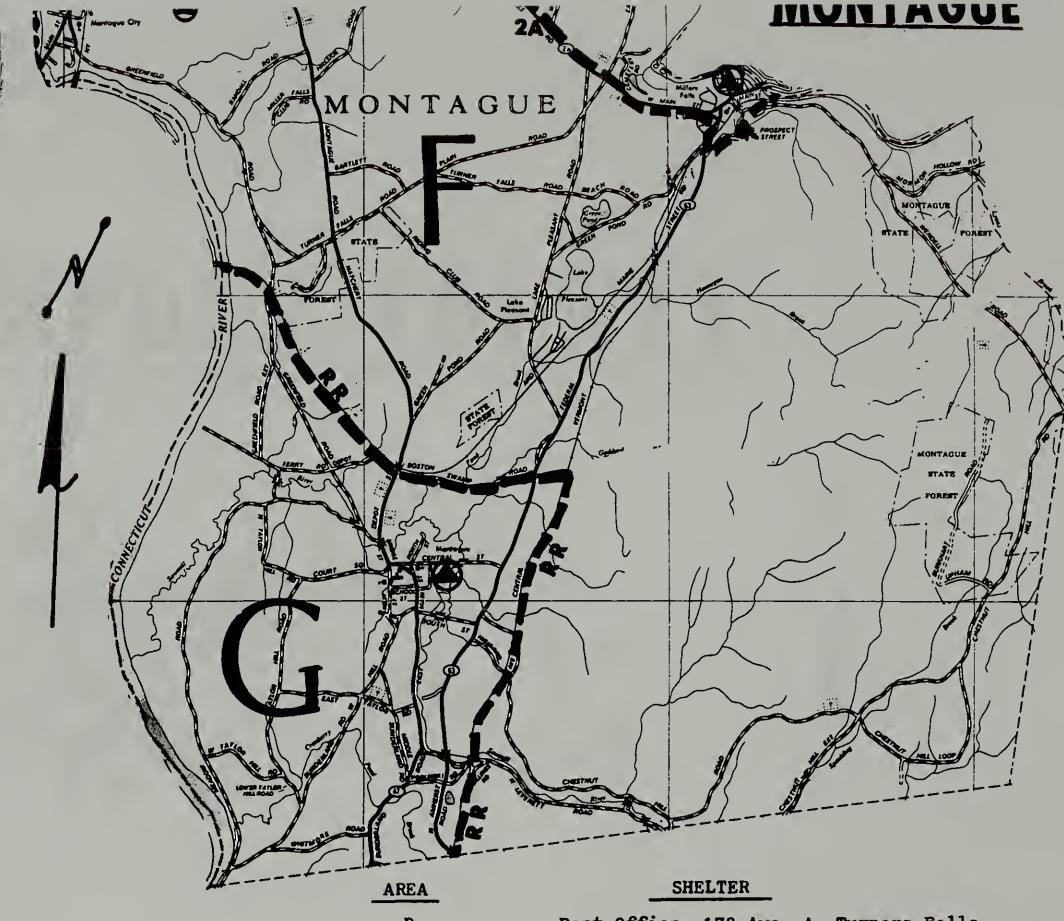
LEGEND

- A Shelter Service Area
- **Shelter Location**

HOW TO USE THIS MAP

- 1. Public Shelter only for those people who cannot use Home Basement for shelter.
- 2. Identify Your Shelter Area by letter.
- 3. Take Shelter in any Building listed below for your area.
- 4. Not all Public Shelters are Stocked so take what food and water that you can carry as well as medicines.

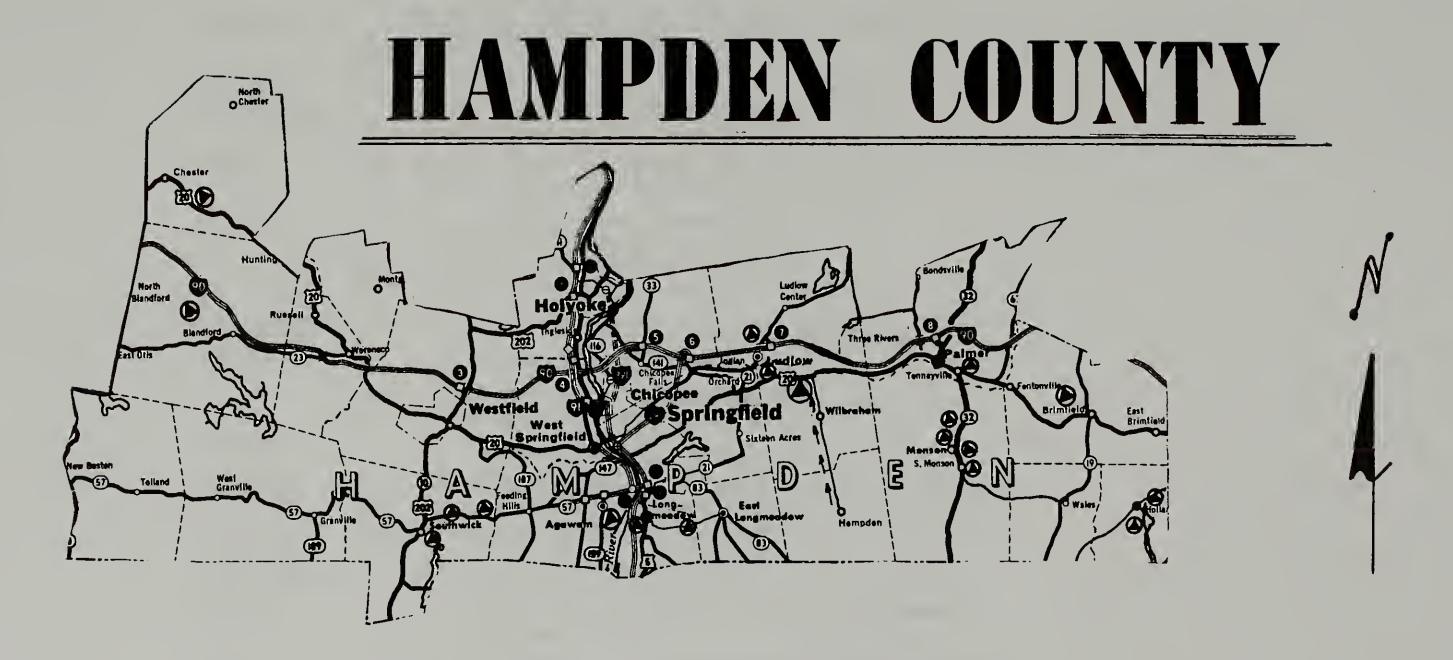




or

or

Post Office, 178 Ave. A, Turners Falls
Carnegie Public Library, Ave. A, Turners Falls
Sheffield Middle School, 34 Crocker Ave.
Millers Falls Post Office, 4 Main St.,
Turners Falls High School, Turnpike Road
Central Street School, Central Street



PUBLIC SHELTER INSTRUCTIONS

- 1. Follow instructions listed below.
- 2. Not all public shelters are stocked, so take whatever food and water you can carry as well as medicines.
- 3. Public shelter only for those people without home basements.

IF YOU ARE IN:

AGAWAM or	- If you are North of Rte. 57, go to the Middle School, 100 Main Street. K. G. Danahy School, Maple St. If you are South of Rte. 57, go to the B.J. Phelps School, 689 Main Street.
BLANDFORD	- Go to the Mass. Turnpike Office, Old Chester Rd.
BRIMFIELD	- Go to the Brimfield Elementary School, Wales Rd.
CHESTER	- Go to the Chester Elementary School, Rte. 20.
CHICOPEE	- See Map.
EAST LONGMEADOW	- Go to the Package Machine Co., Chestnut St.
GRANVILLE	- Go to the Village School, Main St., Rte. 57

on West Chanville Cohool Dooch Will Book

- Go to the Chester Elementary School, Rte. 20. CHESTER CHICOPEE - See Map. - Go to the Package Machine Co., Chestnut St. EAST LONGMEADOW - Go to the Village School, Main St., Rte. 57 GRANVILLE West Granville School, Beech Hill Road. - Go to the State Line Potato Chip Company, HAMPDEN Rte. 20 Wilbraham. HOLLAND - Go to the Congregational Church, Sturbridge Rd. Lodge on the Lake, Mashapaug Road. HOLYOKE - See Map. LONGMEADOW - Go to Bay Path Jr. College, Longmeadow St. Longmeadow Mall, 811 Williams St. LUDLOW - Go to Ludlow High School, Chapin Street. Ludlow Industries, Building #11, State Street. MONSON - Go to Monson Academy, Harper Gym, Main St. Lyon Memorial Library, High Street. Hillside Elem. School, Thompson St. Main St. Elementary School, Main St. - Go to Texon Fiber Co., Route 20, Russell. MONTGOMERY - Go to the Post Office, Park St. PALMER - Maple Tree Industrial Center, Bldg. # 51. or Building # 52, Route 20. RUSSELL - Go to Texon Fiber Co., Route 20. - Go to Powdermill Middle School, Feeding Hills Road. SOUTHWICK Woodland School, Powdermill Road. - Consolidated School, College Ave. SPRINGFIELD - See Map. - No public shelter available - Share home basements TOLLAND with neighbors. WALES - Go to the Main St. Elementary School, Main St., Monson. WESTFIELD - See Map. WEST SPRINGFIELD - See Map.

- Go to the Collins Paper Co., Chapin St. or State Line Potato Chip Co., Route 20.

WILBRAHAM



A Fairview Memorial Jr. High School, Britton St.

B Bowie Elementary School, Westover Air Force Base.

or Base Hospital, Westover Air Force Base.

Uniroyal Co., 154 Grove St.

C Uniroyal Co., 154 Grove St.

or Chicopee High School, Front St.

Post Office, 2 Main St.

Elm College, 291 Springfield St.

E Chicopee Provision Co., 19 Sitarx Ave.

F Stores, 926 Chicopee St.

G Rose DeLima Church, 560 Gratton St.

LEGEND

- A Shelter Service Area
- Shelter Location

HOW TO USE THIS MAP

- 1. Public Shelter only for those people who cannot use Home Basement for shelter.
- 2. Identify Your Shelter Area by letter.
- 7 Taka Chalter in any Building lieted below for wave area



HOW TO USE THIS MAP

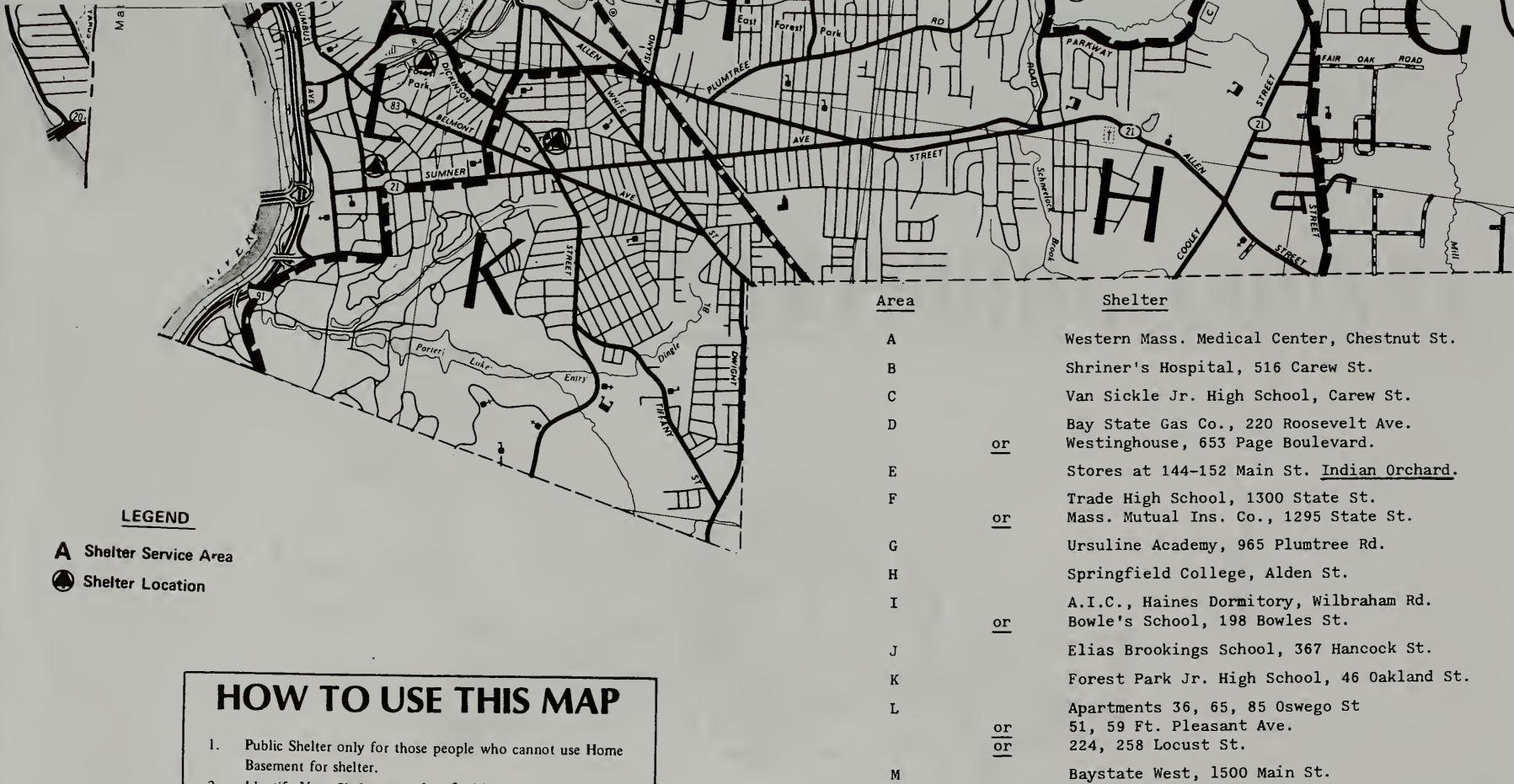
- 1. Public Shelter only for those people who cannot use Home Basement for shelter.
- 2. Identify Your Shelter Area by letter.
- 3. Take Shelter in any Building listed below for your area.
- 4. Not all Public Shelters are Stocked so take what food and water that you can carry as well as medicines.

HOLYOKE

AREA		SHELTER
A		Mt. Tom Power Plant, Route 5.
В	or	Soldier's Home, Cherry St. Lynch School, 1575 Northampton St.
C	or	Post Office, 650 Dwight St Highland School, 84 Lincoln St.
D		West St. School, 26 West St.
E		Lawrence School, 156 Cabot St.
F	or or	Elmwood School, Russell Terrace. Elmwood Fire Station, 478 South St. Holyoke High School, 500 Beech St.
G		Morgan School, 596 South Bridge St.
Н		Mt. Marie Sisters, 469 Ingleside St.

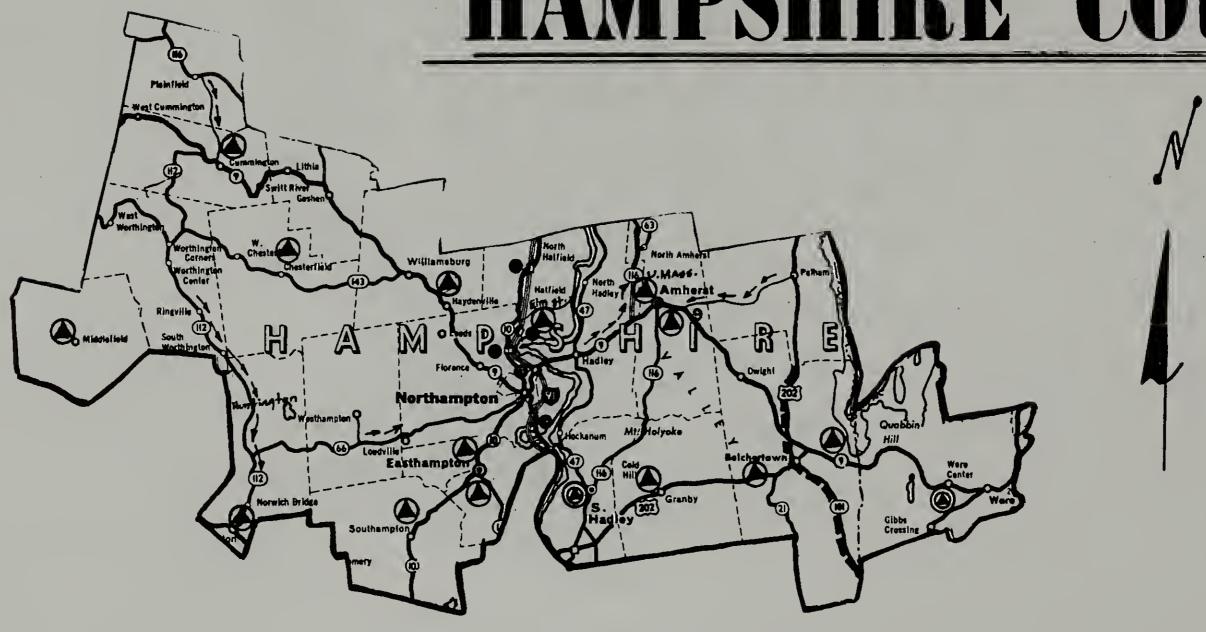






- Identify Your Shelter Area by letter.
- Take Shelter in any Building listed below for your area.
- 4. Not all Public Shelters are Stocked so take what food and water that you can carry as well as medicines.

A		Western Mass. Medical Center, Chestnut St.
В		Shriner's Hospital, 516 Carew St.
С		Van Sickle Jr. High School, Carew St.
D	or	Bay State Gas Co., 220 Roosevelt Ave. Westinghouse, 653 Page Boulevard.
E		Stores at 144-152 Main St. Indian Orchard.
F	or	Trade High School, 1300 State St. Mass. Mutual Ins. Co., 1295 State St.
G		Ursuline Academy, 965 Plumtree Rd.
Н		Springfield College, Alden St.
I	or	A.I.C., Haines Dormitory, Wilbraham Rd. Bowle's School, 198 Bowles St.
J		Elias Brookings School, 367 Hancock St.
К		Forest Park Jr. High School, 46 Oakland St.
L	or or	Apartments 36, 65, 85 Oswego St 51, 59 Ft. Pleasant Ave. 224, 258 Locust St.
M		Baystate West, 1500 Main St.
N	<u>or</u>	Classical High School, 217 State St. Wesson Memorial Hospital, 120 High St.
0		Springfield Museum, 222 State St.
P	or	Chestnut St. Jr. High School, 495 Chestnut St. Mercy Hospital, 233 Carew St.
Q		Balliet School, 111 Seymour Ave.



PUBLIC SHELTER INSTRUCTIONS

- Follow instructions listed below.
- Not all public shelters are stocked, so take whatever food and water you can carry as well as medicines.
- 3. Public shelter only for those people without home basements.

IF YOU ARE IN:

- AMHERST
- If you are North of Rte. 9, go to Lincoln Center, University of Mass.
- If you are South of Rte. 9, go to Merrill Center, Amherst College.
- BELCHERTOWN If you are East of Rte. 202 and 181, go to the Quabbin Reservoir, Administration Building.
 - If you are West of Rte. 202 and 181, go to the Belchertown State School Gvm.

.marcipe vortede.

- If you are East of Rte. 202 and 181, go to the Quabbin Reservoir, Administration Building.
- If you are West of Rte. 202 and 181, go to the Belchertown State School Gym.

CHESTERFIELD - Go to the Davenport School, Route 143.

CUMMINGTON - Go to the Town Hall, Main Street.

EASTHAMPTON - Go to the Post Office, Union St.

or Old Easthampton High School, Park St. or United Elastic Corp., 28 Payson Avenue.

GOSHEN - Makin Library, No. Main St., Route 9, Williamsburg.

GRANBY - Go to the West St. School, West Street.

HADLEY - Go to University of Mass., Lincoln Center, Amherst.

HATFIELD - Go to the Meyer and Mendelesche Building Elect

HATFIELD - Go to the Meyer and Mendelesohn Building, Elm St. HUNTINGTON - Go to the Murray Field School, Main St., Rte. 112.

MIDDLEFIELD - Go to the Old General Store, Main Rd.

NORTHAMPTON - See Map.

PELHAM - Go to Amherst College, Merrill Center, Amherst.

PLAINFIELD - Go to the Town Hall, Main St., Cummington.

SOUTHAMPTON - Go to the Southampton Elementary School, Route 10.

SOUTH HADLEY- Go to the Post Office, Hadley Street.

or Center School, Hadley Street.

or Mt. Holyoke College, Rockerfeller Hall, College St.

WARE - Go to U.S. Post Office, 22 North Street.

or St. Mary's Church, Monroe St. & South St.

or Stores, 113 Main Street.

WESTHAMPTON - Go to the Northampton State Hospital, Prince Street,
Northampton.

WILLIAMSBURG- Go to the Helen E. James School, Main St.

WORTHINGTON - Go to the Murray Field School, Route 112, Huntington.

FACTS ABOUT A NUCLEAR EXPLOSION

If you are in an unprotected area near where a nuclear weapon explodes, you could not survive the effects of the blast and heat generated by the explosion. After the explosion, the major danger is from radiation sickness caused by radioactive fallout. This fallout

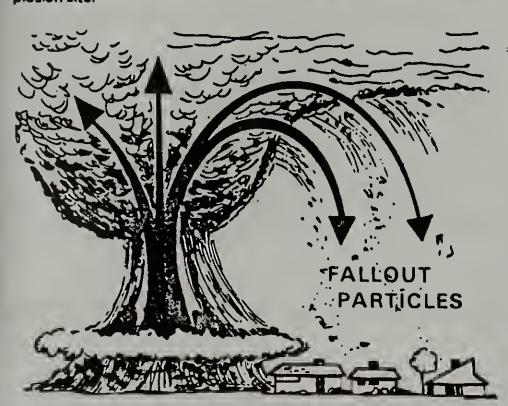
can endanger the life and health of people outside the high risk area. However, protective measures can be taken to safeguard you and your family from the effects of nuclear fallout.

This section describes what fallout is and how to protect yourself against its effects.

WHAT CAUSES FALLOUT...

When a nuclear weapon explodes, great quantities of earth and other debris are sucked up into a nuclear cloud. The bits and particles of earth are mixed with the radioactive materials produced by the explosion and become "radioactive."

Within a short time, these fallout particles drift back to earth. Carried by the wind, they can spread over a large area far from the explosion site.



The particles may look like fine grains of sand, but the gamma rays they give off cannot be seen. (Special instruments are required to-detect the rays and measure their intensity.) The particles can be swept, brushed, or washed off.

HOW TO PROTECT AGAINST FALLOUT

Radiation loses its strength:

- With the passage of time
- As it passes through materials
- As the distance from the particle is increased

The best protection is to surround yourself with heavy materials. A fallout shelter will give you this kind of protection.

A fallout shelter does not need to be a special type of building. Any building will provide some level of protection. If the walls and roof are thick or heavy enough to absorb many of the rays given off by the particles outside, then better protection can be obtained. Even caves and mines can provide protection.

The key fact to remember is the farther you are from radioactive fallout particles, the safer you are from radiation. For example, you have more protection in a basement than on the top floor of a building. Likewise, there is more protection in an inner corridor of an above-grade structure than near an outside wall.

WHY FALLOUT IS DANGEROUS...

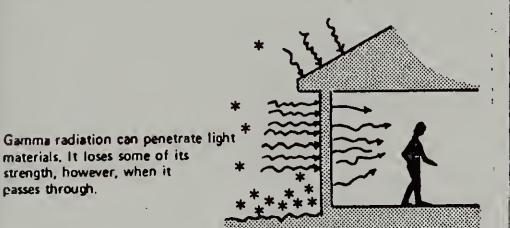
The gamma rays given off by radioactive fallout particles can cause physical and chemical changes in the cells of the body, causing radiation sickness. No special clothing can protect you from the rays and there is no known drug or chemical that can prevent radiation from damaging the cells of the body. Large doses of radiation will cause death. But if you receive small or medium doses, the body will repair itself and you will get well.

The amount of gamma radiation that you can tolerate depends on a number of factors. The effects of radiation are more severe in very young or very old persons and those not in good health. Also, a single large dose received in a short period of time is more damaging than the same dose received over a longer period. People exposed to radiation DO NOT BECOME RADIOACTIVE and consequently are not dangerous to other people. Radiation sickness is NOT contagious and one person cannot infect another.

they give on connector seem, topocon man among and it detect the rays and measure their intensity.) The particles can be swept, brushed, or washed off.

The gamma rays can pass through light materials. A considerable thickness of heavy material is required to stop the penetration of these rays.

Single particle emitting gamma rays



materials. It loses some of its

strength, however, when it

passes through.

The thicker and heavier the material the more gamma rays are blocked out; therefore fewer pass through to cause injury.



The important points to remember about the danger of fallout are:

- You cannot see the gamma rays given off by fallout particles.
- · Gamma radiation can penetrate light materials, therefore, heavy clothing alone will not protect you from these rays. If fallout particles should get on your skin, they should be brushed off to avoid skin burns.
- Radiation is more dangerous to very young, very old or sick people than to those in good health.
- A large dose of radiation received in a short period is more damaging than smaller doses received over a longer period.
- Radiation sickness is not contagious and cannot be passed from one person to another.

WHO WILL NEED FALLOUT PROTECTION

There is no way of predicting in advance where or how soon fallout will settle to the ground. This depends on the weather and on the direction and speed of the winds.

Areas close to a nuclear explosion might receive fallout within 20 or 30 minutes. Depending on the winds, it may take 5 to 10 hours for particles to drift down on communities 100 miles or more from the explosion.

The heavier particles giving off the most intense radiation will fall first. The lighter particles falling later will have lost much of the radiation high in the atmosphere. The first 24 hours after the fallout begins to settle are the most dangerous. The radiation from the particles loses its strength over time. The longer you are in a shelter, the lower the outside radiation levels will be when you emerge.



After a nuclear attack, dangerous levels of fallout COULD occur any place in the United States. Everyone, therefore, must have protection in case fallout occurs in his community.

FALLOUT SHELTER

Many larger buildings have been designated as public fallout shelters. They are marked by signs like this:



THIS PLAN PREPARED THROUGH THE JOINT COOPERATION OF THE MASSACHUSETTS CIVIL DEFENSE AGENCY AND THE FEDERAL DEFENSE CIVIL PREPAREDNESS AGENCY.