

HUMAN SERVICES GROUP

PURPOSE

Several plausible disaster scenarios exist which include the necessity to evacuate a large number of people in a short amount of time. The purpose of the Human Services Group is to provide for the orderly evacuation of people in areas of risk, track their whereabouts as much as practical, and provide for the housing and feeding of evacuees who do not secure accommodations with relatives or friends. The responsibility for these services lies with the Muscatine-Louisa Chapter of the American Red Cross.

CONCEPT OF OPERATIONS

The forewarning of an impending need to evacuate a building or area of town may be measured in minutes or days. The order to evacuate may come from the Incident Commander at an emergency scene or from the Policy Group after days of deliberation. In either extreme the actual evacuation process will most likely be carried out by members of the Operations Group. However, the extent of their efforts will be limited to getting the people out of the area, not addressing the needs of the evacuees after they leave home. Many people who are ordered out of their homes will seek refuge with friends or other family members. However, there are some who will have transportation, housing and nutritional needs to be met. The role of the Human Services Group is to assist in the orderly and expeditious evacuation of areas of the community, and tend to the basic needs of the evacuees. The Muscatine-Louisa Chapter of the American Red Cross has an established mass care/sheltering plan in place. In the event of an impending evacuation, the Chapter Executive will be notified of the situation. The Chapter Executive will coordinate Red Cross activities with the Emergency Management Coordinator and the Policy Group.

Correction made

D I S A S T E R P L A N

F O R

MUSCATINE-LOUISA CHAPTER
AMERICAN RED CROSS
119 WEST MISSISSIPPI DRIVE
MUSCATINE, IOWA 52761-3711

PHONE: (319) 263-6124

FAX: (319) 263-4464

EMAIL: redcross@muscanet.com

AFTER HOURS PHONE: (319) 263-6124 (ANSWERING SERVICE)

BUSINESS HOURS: MONDAY THROUGH FRIDAY - 9:00 AM - 4:30 PM

~~AUGUST~~ 1996

OCTOBER 1997

TABLE OF CONTENTS

COVER SHEET & BASIC CHAPTER INFORMATION 1

TABLE OF CONTENTS 2 - 2a

DETAILED CHAPTER INFORMATION & DISASTER POLICY 3

MAP OF CHAPTER'S JURISDICTION 4

KEY DISASTER PERSONNEL 5

CHAPTER'S DISASTER HISTORY & POTENTIAL 6

EMERGENCY SERVICE CENTERS 7

NOTIFICATION SMALL DISASTERS 8

NOTIFICATION LARGE DISASTERS 9

PHONE NUMBERS FOR OUTSIDE ASSISTANCE 10

EQUIPMENT SUPPLIERS 11

EQUIPMENT AND SUPPLIES (ON HAND) 12

ACTIVATION PLAN 13 - 25

ADMINISTRATION 13

DAMAGE ASSESSMENT 14

MASS CARE 15 - 15a

SHELTER 16

MASS FEEDING 17 - 17a

HEALTH SERVICES 18 - 18a

VOLUNTEERS 19

FAMILY SERVICES 20

COMMUNICATION 21

FUND RAISING 22

APPENDIX A 23

DISTRIBUTION LIST 24

TABLE OF CONTENTS (Continued)

HAZARD ANALYSIS/ASSESSMENT	25 - 29
NATURAL PHENOMENA	25
FLOODING	26 - 27
WINTERSTORMS	27
HEAT & DROUGHT	28
EARTHQUAKES	28
TECHNOLOGICAL HAZARDS	29
LIST OF CORRECTIONS AND REVISIONS	30

CHAPTER INFORMATION

CHAPTER'S JURISDICTIONAL AREA: The Muscatine-Louisa Chapter covers the counties of Muscatine and Louisa County, located in South East Iowa.

OFFICE LOCATION: 119 West Mississippi Drive
Muscatine, IA 52761-3711

MAILING ADDRESS: Same

PHONE: 1-(319)-263-6124

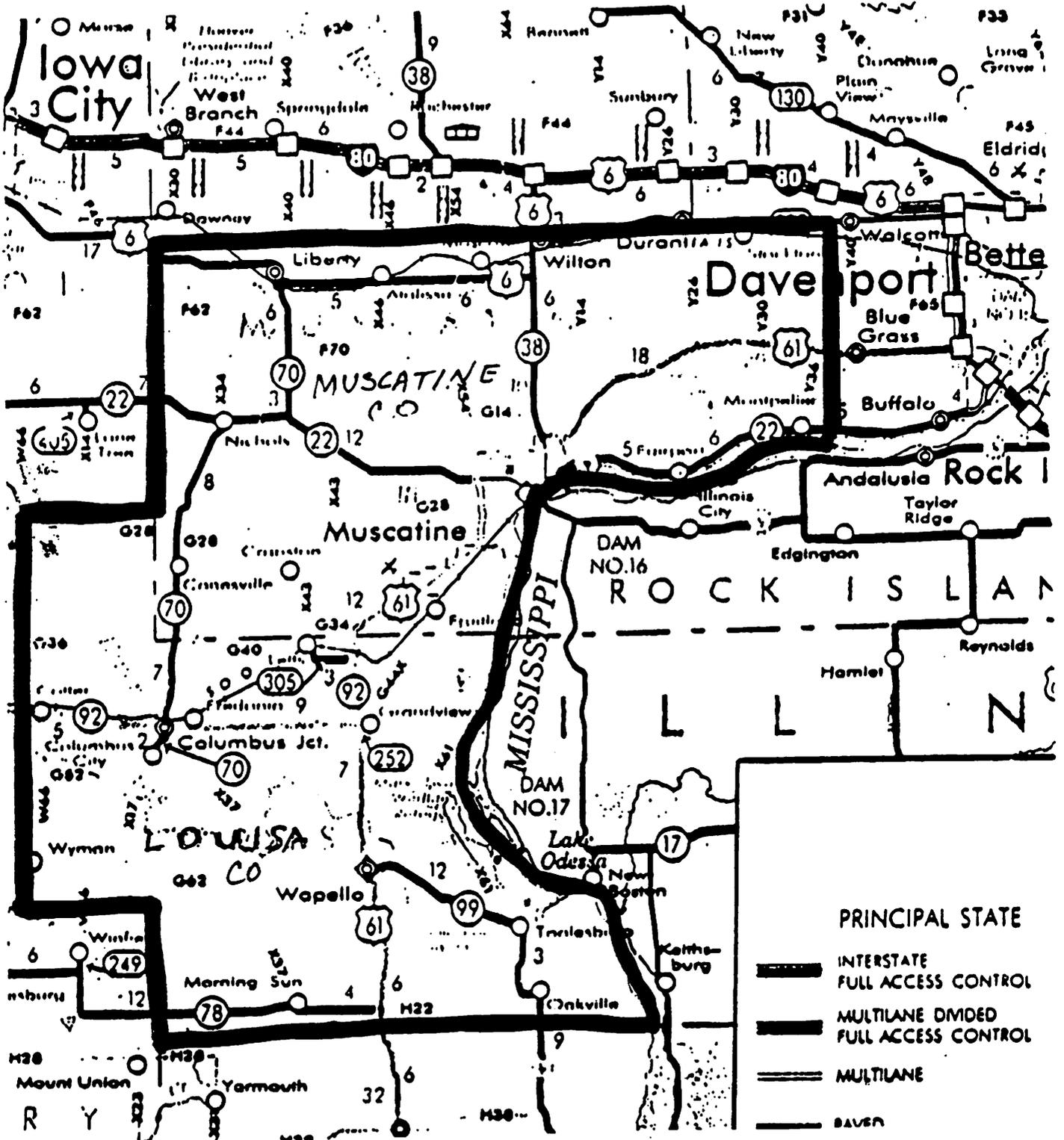
HOURS: Monday through Friday - 9:00 AM - 4:30 PM
Closed Saturday, Sunday, and Holidays

AFTER HOURS AND HOLIDAY CONTACT INFORMATION: The phone number (319) 263-6124 is a 24-hour number. After hours and on holidays the answering service will take calls. They will take names and numbers and have the on-call contact return the calls.

DISASTER POLICY: The Muscatine-Louisa Chapter will respond to disasters of any size when they become aware of a need. This assistance may be in the form of direct service or referrals, purchase or merchandise or donated items. Items of assistance may include food, clothing, shelter, necessary furniture, medical supplies, occupational supplies, or other emergency needs. Assistance is provided to victims and workers.

HOW TO NOTIFY RED CROSS OF A DISASTER: Anyone knowing of a family with disaster caused needs may call the Red Cross at the number listed above. It will be necessary for us to talk directly to the family involved so we will need a way to contact them. If the family involved is unable to assist themselves due to injury or illness a close relative or other responsible person may act in their behalf. To notify Red Cross of a large disaster call the above listed number.

MAP OF CHAPTER'S JURISDICTION



KEY DISASTER PERSONNEL

CHAPTER CHAIRMAN: ~~TOREAS THOMAS C.~~ *Summit* 264-5235-
Lynn A. Jacobs *110 E 9TH* PHONE: (O) (319) 263-4221
1804 Briarwood Lane (H) (319) ~~263-6784~~
Muscatine, IA 52761 263-2125-

CHAPTER EXECUTIVE: Robert A. Fiedler, II PHONE: (O) (319) 263-6124
106 Canon Avenue (H) (319) 263-7580
Muscatine, IA 52761

DISASTER CHAIRMAN: Wayne F. Jones PHONE: (O) (319) 263-6242
1214 East Second Avenue (H) (319) 263-3028
Muscatine, IA 52761

MASS CARE
COORDINATOR Marilyn M. Bednar PHONE: (O) (319) 263-0959
2689 Calaveras Lane (H) (319) 264-5337
Muscatine, IA 52761

DAMAGE ASSESSMENT
COORDINATOR David Wisniewski PHONE: (O) (319) 263-5317
501 Sunset Drive (H) (319) 263-4796
Muscatine, IA 52761

HEALTH SERVICES
COORDINATOR Cinda L. Holst PHONE: (O) (319) 264-9538
106 CANON Avenue (H) (319) 263-7580
Muscatine, IA 52761

FAMILY SERVICES
COORDINATOR ~~Willehla Scoggin~~ *Jolane Creelmer* PHONE: (O) (319)
304 Russell Box 826 *207 Elm* (H) (319) 766-2611
Oakville, IA 52646 *po-898* 2171

COORDINATOR OF
DISASTER VOLUNTEERS Katrina Wisniewski PHONE: (O) (319) 263-0959
501 Sunset Drive (H) (319) 263-4796
Muscatine, IA 52761

GOVERNMENT LIAISON Jeff Carter PHONE: (O) (319) 263-5534
314 East Fifth Street (H) (319) 627-4814
Muscatine, IA 52761

DISASTER ACTION
TEAM CAPTAIN Tom Suman PHONE: (O) (319) 264-7100
319 Brook Street (H) (319) 264-1650
Muscatine, IA 52761

CHAPTER'S DISASTER HISTORY AND POTENTIAL

Given that the Muscatine-Louisa Chapter's ^{49,908}~~51,499~~ people live in an area of 854.7 square miles and have ~~two~~ major river basins running for a total of 129.5 miles through the ^{area} the potential for flooding looms as the most obvious threat to the populous.

This has been borne out by the floods of 1935, 51, 52, 65, 90, and THE GREAT FLOOD OF 1993.

In addition because of the gently rolling topography we are subject to tornadoes, winter storms, and have experienced drought in the past.

The two most memorable disasters in recent times for the chapter have been of course THE GREAT FLOOD OF '93 and the WINTER STORM of JANUARY 1979, when 24 inches of snow fell in 23 hours combined with a wind chill of minus eighty-nine degrees (-89F.).

The potential for all of the above remains very high and are addressed in the Hazard Analysis Section of the plan.

EMERGENCY SERVICE CENTERS

1. Facility: Muscatine Center For Strategic Action
Location: 312 Iowa Avenue Muscatine, IA 52761 (Muscatine County)
Contact Person (s): Ron Cunningham Phone (s): (O) (319) 264-3278
(H) (319) 263-0257
Mark Patton (O) (319) 264-3278
(H) (319) 732-3313

Comments: Handicapped accessible, available 24 hrs. a day, 7 days a week, fully equipped offices (4) with FAX, copier and additional phone lines.

2. Facility: Voluntary Action Center
Location: 415 East Second Street Muscatine, IA 52761 (Muscatine County)
Contact Person: Katrina Wisniewski Phone (s): (O) (319) 263-0959
(H) (319) 263-4796

Comments: Handicapped accesible, available 24 hrs. a day, 7 days a week, fully equipped offices (3) with FAX, copier, and additional phone lines.

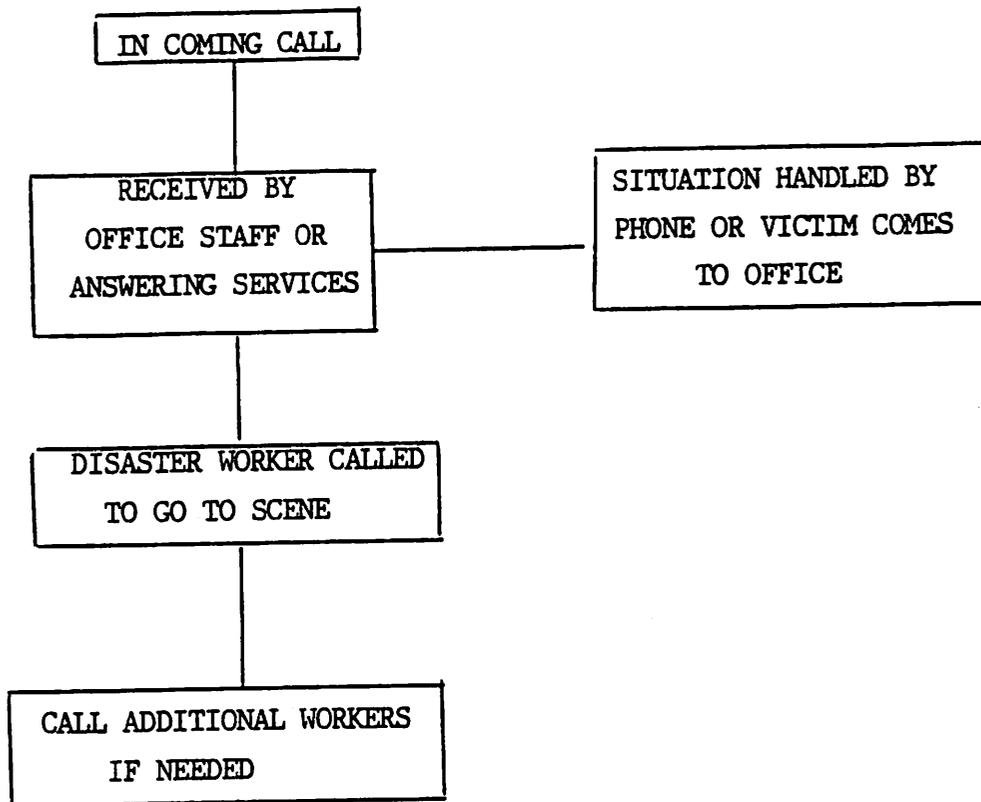
3. Facility: Wapello High School
Location: 500 Buchanan Wapello, IA 52653 (Louisa County)
Contact Person: Mr. Doyle Phone (s): (O) (319) 523-3241
(H) (319) 523-4371

Comments: Handicapped accessible, fully equipped offices (6) with FAX, copier, and additional phone lines.

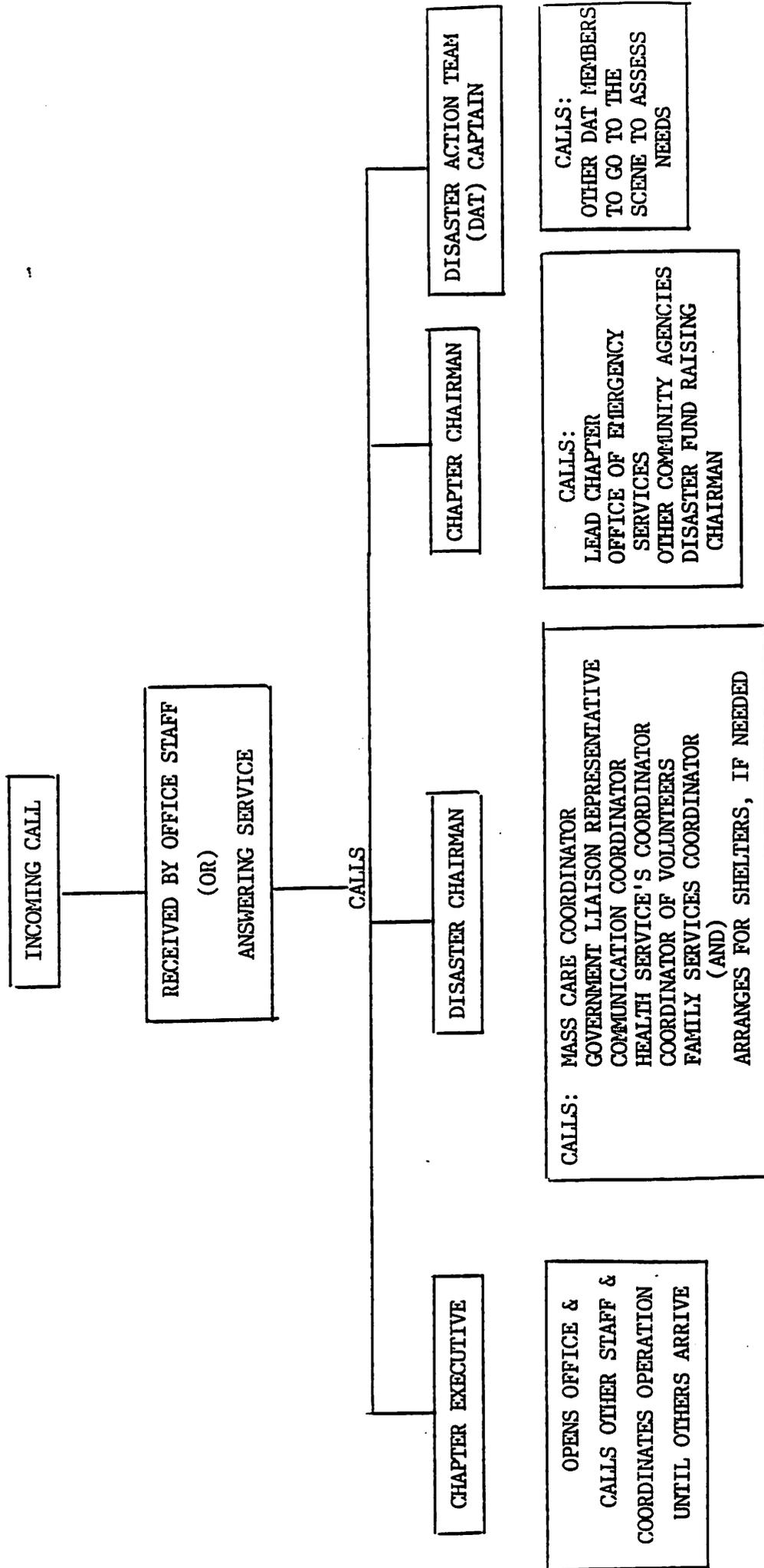
4. Facility: L & M High School
Location: 14354 - 170th Street Letts, IA 52754 (Louisa County)
Contact Person: Roger Roskens Phone (s): (O) (319) 726-3421
(H) (319) 263-4727

Comments: Fully equipped offices (7), handicapped accessible, FAX, copier, and additional phone lines.

A C T I V A T I O N S M A L L D I S A S T E R S



ACTIVATION LARGE DISASTER



TO REQUEST OUTSIDE ASSISTANCELEAD CHAPTER - DISASTER

BUSINESS HOURS: Monday - Friday 8:00 AM TO 4:30 PM

Director of Emergency Services - Lori Glover Phone: (319) 234-6831

Field Service Manager - Robin Wingate Phone: (319) 378-1293

Field Service Secretary - *Tanya Felderman*
~~Cheryl Kinnaird~~ Phone: (319) 378-1293

DISASTER OPERATIONS CENTER (NATIONAL HEADQUARTERS) Phone: (703) 206-8822

BUSINESS HOURS: Open 24 hrs. a day FAX: (703) 206-6296

WAREHOUSE

LOCATION: CAM II, BUILDING "C", PROGRESS PARK, MUSCATINE, IA (319)-263-3883

SUPPLIES: (8)⁶ CASES COMFORT KITS (128) 96

(4) CASES PILLOWS (24)

(1) CASE BLUE HARD HATS (12)

(22) CASES COTS (44)

(2) PALLETS CLEAN-UP-KITS (54)

FISCAL YEAR RECORDS FOR 1990, 1991, & 1992

LOCATION: VOLUNTARY ACTION CENTER, 415 EAST SECOND STREET, MUSCATINE, IA (319)-263-095
(IN THE BASEMENT)

CONTACT: KATRINA WISNIEWSKI (319)-263-4796

EQUIPMENT: (2) ELECTRIC HEATERS

LONG & SHORT BOARD WITH 3 STRAPS

METAL FOLDING CHAIRS

ADMINISTRATION

ACTIVATION: The Chapter Chairman, the Chapter Executive, and the Disaster Chairman compose the Administrative Team. Depending on the size of the disaster, the person receiving the incoming call will notify all or some of the team. The Administrative Team may be assisted by the Disaster Action Team Captain(s).

RESPONSIBILITIES: The Chapter Chairman has responsibilities for all Red Cross services and programs. The Chapter Chairman is responsible for seeing that all policies are carried out in the prescribed manner. The Chapter Chairman is assisted by a Board of Directors & sometimes the Chapter Executive. Each member of the Board may have special responsibility for a particular program such as Disaster. The Chapter Executive is the management arm of the Board and oversees the operation of the chapter according to the directions of the Board. The Disaster Chairman, assisted by the Chapter Executive, has responsibilities for pre-disaster planning, overseeing, and managing the operation of a disaster.

In Disasters that are large enough to be administered by the Field Service Team or National Disaster Services the chapter Administrative Team will cooperate with the Job Director and coordinate the chapter's role in the disaster operation.

CHAPTER CHAIRMAN: *Thomas Summitt*
~~Lynn Jacobs~~ *264-5235*
PHONE: (O) (319) ~~263-4221~~
(H) (319) 263-6784
2125

DISASTER CHAIRMAN: Wayne F. Jones PHONE: (O) (319) 263-6242
(H) (319) 263-3028

CHAPTER EXECUTIVE: Rob Fiedler PHONE: (O) (319) 263-6124
(W) (319) 263-7580

SHELTERSNAME OF BUILDING: Heart of Hearts (MUSCATINE COUNTY)Location: 312 Iowa Avenue, Muscatine, IA 52761CONTACT PERSON: Ron Cunningham PHONE(S): (O) (319) 264-3278
(H) (319) 263-0257CAPACITY: 110 COOKING FACILITIES: YES NOCOMMENTS: Handicapped accessible, showers, recreation rooms (2)NAME OF BUILDING: Hayes Catholic School (MUSCATINE COUNTY)Location: 2407 Cedar Street, Muscatine, IA 52761CONTACT PERSON: Ann Hatfield PHONE(S): (O) (319) 263-3264
(H) (319) 263-0990CAPACITY: 110 COOKING FACILITIES: YES NOCOMMENTS: Handicapped accessible, showers, recreation room & playgroundNAME OF BUILDING: L & M High School (LOUISA COUNTY)LOCATION: 14354 - 170th Street, Letts, IA 52754CONTACT PERSON: Roger Roskens PHONE(S): (O) (319) 726-3421
(H) (319) 263-4722CAPACITY: 175 COOKING FACILITIES: YES NOCOMMENTS: Handicapped accessible, showers, recreation rooms (3) & playgroundNAME OF BUILDING: Wapello High School (LOUISA COUNTY)LOCATION: 500 Buchanan Wapello, IA 52653CONTACT PERSON: Mr. Doyle PHONE(S): (O) (319) 523-3241
(H) (319) 523-4371CAPACITY: 225 COOKING FACILITIES: YES NOCOMMENTS: Handicapped accessible, showers, recreation rooms (3) & playground

MASS CARE

ACTIVATION: The Mass Care Coordinator will be notified by the Disaster Chairman or designee. The Coordinator, in turn, will call additional workers as needed. The Mass Care Coordinator will report to the Disaster Chairman and will go to the headquarters when called. The Mass Care Coordinator may be assisted by a Coordinator for Mass Feeding and a Coordinator for Shelters.

RESPONSIBILITIES: The Mass Care Unit will provide food and/or refreshments for victims and workers in a disaster. They will also provide shelter for groups of disaster victims unable to continue their living arrangements in separate family units.

MASS CARE COORDINATOR:

Marilyn Bednar

PHONE(S): (O) (319) 263-0959
(H) (319) 264-5337

SHELTER COORDINATOR:

Ronald Cunningham

PHONE(S): (O) (319) 264-3278
(H) (319) 263-0257

MASS FEED COORDINATOR:

Jackie Opel

PHONE(S): (O)
(H) (319) 263-8640

SHELTER MANAGERS:

Kim Otto

PHONE(S): (O) (319) 263-3545
(H)

Ronald Cunningham

PHONE(S): (O) (319) 264-3278
(H) (319) 263-0257

MASS FEEDING RESOURCESRESTAURANTS:*COLUMBUS JUNCTION, IOWA:NAME: C J DINERCONTACT PERSON: MANAGER ON DUTYLOCATION: HWY 92, COLUMBUS JUNCTION, IA 52738PHONE: (319)-728-7212TYPE OF FOOD: BREAKFAST, LUNCH & DINNER. (PREPARED)HOURS OF OPERATION: MONDAY THROUGH THURSDAY 5:00 AM - 9:00 PM
FRIDAY & SATURDAY 5:00 AM - 10:00 PMNAME: TABATIOCONTACT PERSON: MANAGER ON DUTYLOCATION: 124 MAIN, COLUMBUS JUNCTION, IA 52738PHONE: (319)-728-4001TYPE OF FOOD: MEXICANHOURS OF OPERATION: CLOSED MONDAY, TUESDAY THROUGH THURSDAY 11:00 AM - 9:00 PM
FRIDAY & SATURDAY 11:00 AM - 10:00 PM*MUSCATINE, IOWA:NAME: COUNTRY KITCHENCONTACT PERSON: MANAGER ON DUTYLOCATION: 2406 PARK AVENUE, MUSCATINE, IA 52761PHONE: (319)-263-8832TYPE OF FOOD: BREAKFAST, LUNCH & DINNER. (PREPARED)HOURS OF OPERATION: MONDAY THROUGH SUNDAY 6:00 AM - MIDNIGHTNAME: THE FAMILY TABLECONTACT PERSON: MANAGER ON DUTYLOCATION: 1903 PARK AVENUE, MUSCATINE, IA 52761PHONE: (319)-262-9495TYPE OF FOOD: BREAKFAST, LUNCH & DINNER.HOURS OF OPERATION: SUNDAY THROUGH THURSDAY 6:00 AM - 10:00 PM
FRIDAY & SATURDAY - OPEN 24 HRS./DAYNAME: GOLDEN CORRAL FAMILY STEAK HOUSECONTACT PERSON: MANAGER ON DUTYLOCATION: 2300 PARK AVENUE, MUSCATINE, IA 52761PHONE: (319)-263-1740TYPE OF FOOD: BUFFET..ALL YOU CAN EAT.HOURS OF OPERATION:

ALL OF THE ABOVE ARE: DIRECT BILL

MASS FEEDING RESOURCES (Continued)FOOD STORES:

NAME: Hy-Vee Food Store TYPE OF FOOD: Prepared & unprepared
LOCATION: ^{2400 2nd} ~~Muscatine Mall~~ ✓ Muscatine, IA 52761
CONTACT PERSON: Manager on Duty PHONE: (0) (319) 264-2420
HOURS OF OPERATION: 24 Hrs./Day - 7 Days/Week
COMMENTS: Direct bill, full service super market, bakery, catering service, including hot & cold containers

NAME: Wapello Jack & Jill TYPE OF FOOD: Prepared & unprepared
LOCATION: 503 - 61 South Wapello, IA 52653
CONTACT PERSON: Manager on Duty PHONE: (0) (319) 523-2241
HOURS OF OPERATION: 6:00 AM - 10:00 PM (Daily)
COMMENTS: Direct bill, full service super market, bakery, catering service, including hot & cold containers

NAME: Thoma's Jack & Jill TYPE OF FOOD: Prepared & unprepared
LOCATION: 200 East Third Street West Liberty, IA 52776
CONTACT PERSON: Manager on Duty PHONE: (0) (319) 627-2166
HOURS OF OPERATION: Monday - Saturday, 7:00 AM - 9:00 PM
Sunday, 8:00 AM - 7:00 PM
COMMENTS: Direct bill, full service super market, bakery, catering service, including hot & cold containers

SUPPLIES:

ITEM(S): All types of equipment and food for Mass Care
SOURCE: Salvation Army LOCATION: 1000 Oregon Street, Muscatine, IA
CONTACT PERSON: Lt. Gerald O'Neil PHONE(S): (0) (319) 263-8272
(H) (319) 263-7268
COMMENTS: Can be used as shelter, kitchen, and warehouse.

HEALTH SERVICES

ACTIVATION: The Health Services Coordinator will be notified by the Disaster Chairman or designee. The Coordinator, in turn, will call additional workers as needed. The Health Services Coordinator reports administratively to the Disaster Chairman and medically to the Volunteer Medical Consultant (M.D.). The Coordinator will go to the headquarters when called.

RESPONSIBILITIES: The Health Services Team provides medical/first aid services at the shelters and other points of service delivery according to the signed standing orders in ARC 3050 and serve as a medical resource to other disaster units. In addition, the Health Services Team will gather accurate verified information concerning disaster caused illness, injury, deaths and missing persons.

HEALTH SERVICES COORDINATOR:

Cinda L. Holst, R.N.

PHONE(S): (O) (319) 264-9393⁹⁵³⁸
(H) (319) 263-7580

IOWA LICENSE: 041964

RED CROSS BADGE #: 365626

VOLUNTEER MEDICAL CONSULTANT - DOCTOR ON CALL:

Melinda Smith, M.D.

PHONE(S): (O) (319) 264-3220
(H)

NURSES:

Marge Reyes, R.N.

PHONE(S): (O) (319) 264-9100
(H) (319) 264-0279

Arlene Clark, R.N.

PHONE(S): (O) (319) 263-3325
(H) (319) 263-8697

HEALTH SERVICES (Continued)

PHARMACY ON CALL: Wester Drug PHONE: (319) 263-7044
LOCATION: 315 East Second Street, Muscatine, IA 52761
CONTACT PERSON(S): James Wester PHONE(S): (O) (319) 263-7044
(H) (319) 264-3396
Claude Wester PHONE(S): (O) (319) 263-7044
(H) (319) 263-7266

OTHER PHARMACIES:

NAME: Downtown Drug & Hardware PHONE: (319) 263-2261
Hyvee ~~264-2420~~
NAME: Nietzel's Pharmacy PHONE: (319) 263-1852
NAME: Gladfelder Pharmacy (Wapello, IA) PHONE: (319) 523-5321

POISON CONTROL CENTER:

NAME: University of Iowa PHONE: (800) 272-6477

HEALTH DEPARTMENT:

CONTACT PERSON: Joe Hagerty PHONE(S): (O) (319) 264-1554
(H) (319) 264-5622

HOSPITAL:

NAME: Muscatine General Hospital PHONE: (319) ²⁶⁴⁻263-9100 (24 Hrs.)
LOCATION: 1518 Mulberry Avenue
CITY, STATE: Muscatine, IA 52761

VOLUNTEERS

ACTIVATION: The Coordinator of Disaster Volunteers will be notified by the Disaster Chairman or designee. The Coordinator will go to the headquarters and reports to the Disaster Chairman.

RESPONSIBILITIES: The Coordinator of Disaster Volunteers will work with other coordinators in recruiting and placing volunteers. The coordinator is responsible for volunteer record-keeping and recognition. The Coordinator must maintain contact with sources of volunteers such as civic groups, churches, clubs, and other agencies.

COORDINATOR OF DISASTER VOLUNTEERS:

NAME: Katrina Wisniewski

PHONE(S): (O) (319) 263-0959
(H) (319) 263-4796

NAME OF ORGANIZATION: Voluntary Action Center

Contact Person: Katrina Wisniewski

PHONE(S): (O) (319) 263-0959
(H) (319) 263-4796

COMMENTS: Coordinating Agency for ALL volunteer groups in Chapter's jurisdiction.

FAMILY SERVICES

ACTIVATION: The family Services Coordinator will be alerted by the Disaster Chairman or designee. Since Family Services doesn't officially begin until the damage assessment information is submitted, the Family Services Coordinator may not have to report right away, but should be on stand-by and available, when needed. The Coordinator will report administratively to the Disaster Chairman and will call other caseworkers as needed.

RESPONSIBILITIES: The Family Services Coordinator is responsible for overseeing the delivery of the individual family assistance and the administration of the Family Service unit. In cooperation with the Disaster Chairman, the Coordinator will establish and open Service Centers for interviewing disaster victims, when needed. In locally administered disaster operations, service will be given to disaster victims, with verified disaster caused needs, according to the Standardized Emergency Assistance Price List. In Nationally administered operations the National Price Guide will be used.

FAMILY SERVICE COORDINATOR:

Jolane Creelmann
~~Willella Scoggin~~

PHONE(S): (O) (319)
 (H) (319) 766-2611
 2/71

CASEWORKERS:

Ruth Anne Bekker

PHONE(S): (O) (319)
 (H) (319) 263-9327

David Wisniewski

PHONE(S): (O) (319)
 (H) (319) 263-4796

Jolane Creelmann

PHONE(S): (O) (319)
 (H) (319) 766-2171

~~Willella Scoggin~~

~~PHONE(S): (O) (319)
 (H) (319) 766-2611~~

COMMUNICATION

ACTIVATION: The Communication Coordinator will be notified by the Disaster Chairman or designee and will administratively report to the Disaster Chairman. The coordinator will call other workers as needed.

RESPONSIBILITIES: The Communication Coordinator will assist in arranging two-way communication when phones are out or phones are not adequate for the needs. The Coordinator may also assist with arranging for additional phones when needed. The Communication Coordinator should maintain working relationships with individuals and groups with communication skills and equipment.

COMMUNICATION COORDINATOR:

Paul Korschot

PHONE: (H) (319) 263-4215

VOLUNTEERS OR GROUPS:

Muscatine Amateur Radio Club

PHONE: (H) (319) 263-4215

Alan Kiddo

PHONE: (O) (319) 263-7822

Father Rick Simpson

PHONES: (H) (319) 264-3099
(O) (319) 263-2177

DISASTER FUND RAISING

ACTIVATION: The Disaster Fund Raising Chairman will be notified by the Chapter Chairman and should start the fund raising plan whenever there is a disaster. The Fund Raising Chairman will report directly to the Chapter Chairman and may call on other workers as needed.

RESPONSIBILITIES: The Disaster Fund Raising Chairman is responsible for developing, with other chapter officials, a plan to raise money to help offset the cost of a disaster operation. This may be a local disaster or a National Disaster Quota Campaign. In time of disaster or National Disaster Quota Campaign the Chairman is responsible for overseeing and administering the chapter's fund raising efforts.

DISASTER FUND RAISING CHAIRMAN:

Wayne Johanson

PHONE(S): (O) (319) 263-4221
(H) (319) 263-8843

VOLUNTEERS:

Shirley Herlein

PHONE: (H) (319) 264-5023

Diana Stickrod

PHONE(S): (O) (319) 263-4221
(H) (319) 729-4171

Dorothy Hetzler

PHONE: (H) (319) 263-8445

APPENDIX A
CHAPTER OWNED RESOURCES

QUANTITIES ITEMS

COMMUNICATIONS EQUIPMENT:RADIOS (Frequencies Included)

2	Bases (155.235 & 47.420)
2	Mobiles (155.235 & 15 other emerg. frequencies)
4	Hand-held (155.235 & 154.280)
4	Chargers
1	Power Supply (12 Volt AC/DC)

TELEPHONES:

1	Cellular (Phone No. (309) 791-7588)
---	-------------------------------------

OFFICE EQUIPMENT:

2	Computers (DELL 316SX & IBM PS 2)
2	Printers (EPSON LQ1010 & IBM PROPRINTER II)
1	FAX (FUJITSU DEX 530) (319) 263-4464
1	Copier (XEROX 1012- Reduce & Enlarge)
2	Typewriters
3	Calculators (with tape)
1	COPIER Sharp FX 8500

OTHER EQUIPMENT/SUPPLIES:

1	1990 Chevrolet Sport Van
6	5 Gal. Hot/Cold Containers
2	Electric Oven Roasters
1	Generator - 1500 wattage
2	Cambros
3	Coffee Pots (Electric)
1	Tent (9 x 12 with side curtains)
100	Cots
26	Blankets
10	Bump Hats
12	Flash lights & required batteries
200	Clean Up Kits (100 each long & short boxes)
200	Comfort Kits (100 each male & female)
10	ARC Field I.D. Kits

FORMS:

300	D.O.'s (Dispersing Orders)
300	ARC Form 901
25	Facility Agreements (Form 6621)
200	Disaster Staff Registration (Form 1492A)
100	Disaster Supply Memorandum (Form 2000B)
200	Shelter Registration (Form 5972)
300	Survey/Damage Assessment (Form 5739)
50	Mass Care Personnel List (Form 6453)
50	Mass Care Staff Checklist (Form 6461)

DISTRIBUTION LIST

1. *Tom Summitt*
~~Lynn Jacobs~~ Muscatine-Louisa Chapter Chair
2. Mary Gieselman Louisa County Director of E.M.A.
3. Wayne Jones Muscatine-Louisa Disaster Chair
4. *Lowell Synder*
~~Ronald Hazen~~ Muscatine County Sheriff
5. Herb Eustler Louisa County Sheriff
6. Lori Glover Lead Chapter
7. Robin Wingate Field Service Office
(ARC - Cedar Rapids)

HAZARDS

NATURAL PHENOMENA

W I D E; O P E N S P A C E S with no mountain terrain to break weather patterns leave Iowa exposed to statewide storm fronts, along with localized squalls. Its location between the colder North Central states and the warm south also subject it to a mix of weather in winter ranging from blizzards to ice storms. The following natural phenomena has been recognized as having the potential to create sizeable distress or disasters among Iowa's population:

- * TORNADOES
- * FLOODS
- * WINTER STORMS
- * HEAT AND DROUGHTS
- * EARTHQUAKES

TORNADOES

IOWA LIES JUST NORTH of the heart of the tornado belt which still exposes it to anything from lone funnel cloud activity up to an outbreak of tornadoes. The condition is caused by three climatological and geographical reasons:

1. Warm and moist air, carried by low-level winds, moves northward from the Gulf of Mexico as a warm front.
2. Cool and dry air above the warm front is carried eastward by the jet stream.
3. Cool fronts from Canada move southward causing an unstable atmosphere in which thunderstorms are created.

Research over several decades by local scientists has resulted in these general conclusions about Iowa tornado activity:

1. Tornado season occurs between March and October with the greatest threat in May and June. However, tornadoes can still occur anytime of the year, depending on weather condition.
2. Approximately 70 percent of Iowa's tornadoes run from southwest to northeast while the others go from northwest to southeast.
3. The average tornado path length is between one and two miles and its width about an eighth of a mile. Spring tornadoes tend to run a longer path.
4. As of 1975, tornadoes yearly caused an average of two deaths in Iowa.

A map of tornado touchdowns from 1890 to 1975 indicates more tornadoes appeared to touchdown in an angle path that runs from southwestern Iowa (Mills, Fremont, Montgomery Counties, etc.) running northeast through central Iowa (Polk, Jasper, Marshall Counties, etc.) and up into Bremer, Chickasaw and Howard Counties. At the same time, every county has been visited by tornado activity with some having specific higher ground areas apparently more prone to attracting tornadoes.

It's important to note, however, that all information about tornadoes is subject to revision as research and tracking tools improve. No conclusions can be drawn about the increase or decrease of tornado activity over the years because of population changes and improvement in radar technology.

Tornadoes and funnel activities which once were unseen can now be more often detected by the DOPPLER RADAR and by improved storm watch systems. Advanced warning by the National Weather Service alerts county emergency management officers to mobilize local fire departments which post trained firefighters around their fire district until the tornado threat passes.

TORNADOES: RISK ANALYSIS

1. Iowa continues to experience tornadoes which can cause widespread devastation.
2. Improved technology has greatly enhanced the tornado warning system, but sudden, unexpected tornado activity still can occur without advanced warning.
3. Every county in Iowa is susceptible to tornadoes.
4. Emergency responders, especially damage assessment, should be aware of the tornado's directional path in order to ensure that all affected areas are helped as soon as possible.

FLOODING

The chapter was reminded in the early 1990's of its vulnerability to flooding as first 1991 and then 1993 turned into wet disasters for all parts of the state. The reason for its flooding involves both Iowa's geography, weather and climate.

The chapter has two major river basins, the Iowa-Cedar & Upper Mississippi River. Those basins coupled with numerous streams & creeks, increases the chance of flooding.

River flooding can occur in the Muscatine-Louisa Chapter's jurisdiction because of one or more of the following conditions:

1. A period of moderate to heavy rainfall followed by an extremely heavy rain.
2. A series of heavier rainfalls over a long period.
3. An unusually heavy winter snow build-up followed by rapid warming.
4. Unusually large, early spring rainfalls after a quick thaw of heavy snow.

Flash flooding also remains a major problem in Iowa. Torrential rains in 1990 created a flash flood, causing severe damage to many households.

Both river and flash flooding later submerged much of Iowa and the Midwest in 1993 during what would be called the Great Floods of '93. All areas of the state were affected, from Rock Rapids to Eddyville, stretching emergency response thin.

FLOODING: RISK ANALYSIS

1. The Muscatine-Louisa Chapter continues to be at high risk for river and flash flooding because of its climate and geography.
2. Emergency responders can expect their relief work to be hampered by sustained flooding of affected areas.
3. People living outside of expected flood plains must be educated on the possibility and effects of flash flooding.
4. Planning must be made in the event of major service disruption (water, power, transportation, etc.) due to flooding.
5. All areas of the state must be prepared for flooding response as a continual need.

WINTER STORMS

Three types of winter storms happen in the area. They are:

- * ICE STORMS where rain or drizzle can glaze all that it hits.
- * HEAVY SNOW STORMS in which four or more inches drop in a 12-hour period.
- * BLIZZARDS with winds of 35-mph or more, falling temperatures and blowing snow.

Severe cold spells also blow over the state (-25 degrees) with dangerous wind-chills accompanying them.

These storms cause several problems which can be life-threatening due to the severe, and possibly sustained, cold weather. The problems include power and communication outages after ice storms coat and break power poles and make traveling hazardous. Blizzards can block roads and isolate people from getting necessary medical attention or basic survival needs met. Storm related deaths can occur because of transportation accidents on icy roads or death by exposure.

WINTER STORMS: RISK ANALYSIS

1. Emergency responders must be prepared to open shelters should blizzards block major arteries, such as Interstates 80 and 280. Shelters also will be needed for power outages due to ice storms, or for prolonged outages during cold spells.
2. Emergency responders will face the same transportation problems causing the storms and must be prepared for back-up methods of transportation. (snowmobiles, four-wheel drives, etc.)

HEAT AND DROUGHT

HEAT, LITTLE RAIN, AND A POOR ECONOMY created a farming crisis in the early 1980's with a worse drought burning over Iowa in the late 1980's. Other severe Iowa droughts have been recorded in an approximate 20-year cycle for more than a century. They are the middle 1830's, and early 1850's, early 1870's, middle teens of the 20th Century, middle 1930's, middle 1950's and then into the 1980's.

Droughts tend to be a slow process, without an emergency state being created quickly. The subsequent heat, however, without rain can develop a heat emergency state. Many people still do not have access to air conditioning, or even fans. The severe summer weather may also prompt a water emergency if aquifers have not been replenished.

HEAT: RISK ANALYSIS

1. Heat shelters must be readied in case the heat index sustains itself at a life-threatening level.
2. Red Cross workers must be prepared to respond to any requests by authorities to assist with water distribution.

EARTHQUAKES

A CATASTROPHIC EARTHQUAKE which cracked and shook southeastern Missouri in the early 1800's was felt in Iowa, according to historians. Another earthquake shuddered through Sioux Center in northeast Iowa in the 1870's.

The New Madrid Missouri Fault also runs north into Iowa and is expected to be felt to some degree in southeastern Iowa when it gives way. But, in general, scientists say Iowa still remains fairly safe from the threat of devastating earthquakes such as those in California.

EARTHQUAKES: RISK ANALYSIS

Education efforts should be made to prepare southeast Iowa for possible earthquake activity.

TECHNOLOGICAL HAZARDS

IOWA HAS A RANGE of technological hazards which include:

- * Transportation
- * Hazardous Material
- * Utility

TRANSPORTATION

MAJOR TRANSPORTATION ROUTES on the air, ground, water and rail cover Iowa. Passenger trains are no longer as plentiful as in the past, but hauling freight by rail continues as new networks of cross-transportation are developed. Barge traffic on the Mississippi continues to link area farmers with major grain markets. Meanwhile commercial and private traffic rates shoot higher on the state's highways and interstates.

Each major city has an airport with commercial and private service. Smaller cities also have airports for primarily private and small business operations. Iowa has seen fewer large commercial aircraft accidents, partly due to less traffic than is experienced in larger cities. The greatest airliner accident occurred in 1989 at the Sioux City airport.

LIST OF CORRECTIONS AND REVISIONS

- 1.) Revision May 1996
- 2.) Revision August 1996
- 3.) " OCT 1997