

Amateur Radio Emergency Service (ARES)

**MOUNTAIN VIEW ARES
EMERGENCY
PLAN**



®

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ALERTS

ARES/RACES begins to react ONLY when we've been alerted. Some situations are "self-alerting" like an earthquake — i.e. everyone knows it happened. However, under normal circumstances an agency needing our help will contact us by calling a responsible officer of ARES by phone or pager. Each of these alerting methods requires ARES to respond in a slightly different manner.

If you feel an earthquake the FIRST thing you should do is make sure your own location is secure. Once you're sure of your own situation turn your radio on and LISTEN to the resource net. Call net control ONLY if you have damage or injuries to report. During the initial minutes after a quake the resource net will be trying to determine what areas are damaged, and deal with anyone that needs immediate help. Stay off the frequency and listen for your EC to come up on the resource frequency and give instructions for your team. Your EC will give you the necessary information to allow you to respond. If you have the ability to listen to more than one frequency you might also monitor your city simplex frequency.

The other major way that you will be alerted to an emergency is by receiving a phone call from another Amateur Radio Operator (ARO) via the ARES/RACES team phone tree. You should react to the phone call by turning on your radio to the city simplex channel and waiting for the EC to give you directions.

The following is the quick start procedure.

1. Monitor 145.270 repeater.
2. Listen for K6MTV to activate.
3. When instructed, switch to 146.535 simplex.
4. Check-in with MTV Net control.
5. Standby for activation and assignment.

Mountain View ARES Emergency Plan

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FOREWORD

The City of Mountain View (MTV) Amateur Radio Emergency Service (ARES) is made up of Federal Communications Commission (FCC)-licensed AROs who have registered their capabilities and equipment for public service. These AROs serve without compensation of any kind. The MTV ARES is directed by the Emergency Coordinator (EC), who is appointed by the American Radio Relay League (ARRL) Section Emergency Coordinator. The MTV EC has appointed Assistant Emergency Coordinators (AEC) to assist and to serve various special areas of need. These individuals are listed in the section labeled ARES NOTIFICATION ORDER.

COVERAGE

The MTV ARES network furnishes backup communications in the event of an emergency or disaster when regular communications systems are disrupted or overloaded. MTV ARES primary responsibilities are within the City of Mountain View, however MTV ARES will maintain close cooperation with other ARES groups within the coverage of the Southern Peninsula Emergency Communications System (SPECS) and the Palo Alto Area Chapter of the American Red Cross repeaters. These other contacts include the Cities of Palo Alto, Los Altos, Los Altos Hills, Sunnyvale, NASA Ames, and Stanford University. Because MTV ARES is part of a larger metropolitan area, we will also cooperate with surrounding communities in Santa Clara County and in southern San Mateo County. This cooperation will be accomplished both directly and indirectly via such organizations as Santa Clara County ARES/RACES, Silicon Valley Emergency Communications System (SVECS), and nearby Chapters of the Red Cross.

MTV locations requiring Amateur Radio support include the Mountain View Emergency Operations Center (EOC), El Camino Hospital (ECH), local fire stations, schools, the Regional Emergency Volunteer Center and possible shelter sites. A current list of emergency locations and shelters for the Mountain View area is given in the section labeled MOUNTAIN VIEW AREA EMERGENCY LOCATIONS AND SHELTERS. Other agencies and locations may be served (as necessary) in some cases. ARES locations are not prearranged. ARES assignments are given by the MTV ARES EC, or designee working as the MTV ARES Net Control. When possible, Net Control will be worked from the ARES radio room (K6MTV) located at the MTV EOC. ARES assignments for individuals responding to the disaster are made as needs become known and resources become available.

ACTIVATION

Any event disabling or severely overloading the telephone system is a potential emergency call for activation of the MTV ARES network. Such an emergency is usually self-evident and, therefore, self alerting. When such an emergency occurs, monitor the North County Resource repeater at 145.270-, PL 100.0 or the Central County Resource repeater at 146.115+, PL 100.0. If K6MTV at Mountain View EOC activates, dial-up Mountain View simplex frequency at 146.535 MHz, for information. If you are a RACES member and are available for activation, make that known by checking-in. Non-RACES members may check-in and be used in some capacity but will not be activated immediately since they are required to be registered as Disaster Service Workers (DSW). County Emergency frequencies are listed in the section labeled AREA FREQUENCIES.

The first responsibility of each ARES member is the immediate needs of his/her family. After checking and caring for family, ARES members who want to volunteer for duty should come up on the MTV simplex frequency and report for an assignment.

The network may be activated by one of several means. The first is a Notice of an EMERGENCY (declared by a responsible official), an ALERT (notification of a possible emergency), or a REQUEST FOR MUTUAL AID from some other area. Any member of the network receiving such notice, if not an AEC or EC, should contact an AEC or EC and pass the information. If unable to reach the EC or any AEC, the member should assume the duties of AEC and act as Net Control on MTV simplex.

The EC or AEC may, even without being officially notified, activate the MTV network in accordance with the City Emergency Plan if there is a reasonable presumption of need. The network members will put themselves on standby until the need is determined.

ARES NOTIFICATION ORDER

Call in listed order until someone is contacted.

	NAME/ADDRESS	CALL/POSITION	HOME #	WORK #
i)	Jerry Haag 49 Showers Dr. Y-476 MTV 94040	K6GAC EC	949-3827	564-2669
ii)	Ed Senior 382 Foxborough Dr. MTV 94041	W6LOL AEC	965-2600 279-4754 Cell	
iii)	Phil Henderson 2733 Winfield Dr MTV 94040	KF6ZSQ AEC	961-6802	
iv)	David Platt 323 Aldean Ave. MTV 94043	AE6EO AEC	967-9570	408/519-9182
v)	Michael Kutner 158 Dalma Dr. MTV 94041	N6IHT AEC	967-4734	655-7384
vi)	Bob Fishman 810 Piper Ave. Sunnyvale 94087	K6FSH AEC	408/735-8100	408/481-7495 408/390-6465
vii)	Doug Greig 810 Piper Ave. Sunnyvale 94087	KG6DSV AEC	408/735-8100	408/481-7495 408/390-6465
vii)	Andy Rose 51 Glenmead Ct. MTV 94040	KI6SEP AEC	650/279-1051	
viii)	Rudy Bahr 22537 Redcliff Ct. MTV 94040	W6OWI AEC	967-8246	

EC, AEC, or NET OPERATION

The AEC or EC activating the city network becomes the Net Control unless and until that person hands off the responsibility. The Net Control should evaluate the situation and decide how much of the organization should be alerted, what liaison with neighboring cities and organizations should be established, what locations to staff and what other response is needed (for instance, activation of mobile units).

Net Control shall maintain close contact with the Office of Emergency Services (OES) Coordinator (Fire Chief) or Asst. Coordinator (A/OES) for tactical updates and needs assessment during the response and recovery phases of the operation.

Depending on the circumstances, the Net Control may opt to use tactical or formal message procedure. Message copies shall be retained.

The Net Control and such other stations as may be designated shall keep a log of the emergency operation, including (at least) the starting and ending times, and a summary of substantive messages, events actions.

The EC or acting EC shall submit a report for all emergency and simulated emergency operations as soon as possible after the event. Reports are based on the logs and recollections of the participants.

CONTACTS UPON ARRIVAL

Upon arrival at the assigned location, the amateur should make his/her presence known to the person in charge of the facility; and make known the location of the amateur's operating position.

Members of the MTV Emergency Response Team (MTV ERT) and members of local Community Emergency Response Teams (CERT) are aware of MTV ARES and the presence of ARES members at schools and fire stations during a large-scale emergency. These emergency responders may call upon ARES members to pass emergency or routine message traffic to other locations within the city. Every effort should, therefore, be made to staff emergency locations as necessary and as MTV ARES members become available for service.

ABOUT THE EOC & K6MTV

The Emergency Operations Center (EOC) is on the lower level of the Robert K. Schatz Police Services – Fire Administration Building, 1000 Villa St., Mountain View. The entrance is located on the left (Oak Street) side of the building and is accessible by walking down a series of stairs past a small patio. If you cannot see anyone in the radio room (K6MTV) to the left of the door, pick up the phone at the doorway. The phone will be answered by a Public Safety Dispatcher working in the Emergency Communications Center. Tell him/her who you are and that you would like to get into the Amateur Radio Room. When they open the door, you may have to show your Emergency Responder ID card. When you are in, the ARES radio room is to the immediate left.

EQUIPMENT

MTV ARES members responding to an incident or location should bring 2m transceivers, spare batteries, chargers, power supplies and cables, antenna feed

line and adapters, headphones, paper, pencils, log sheets, amateur radio license, ID (DSW) cards, helmets, copy of (this) Emergency Plan, maps, etc.

Each operator should have any adapters necessary to connect his/her radio to the extension cable at any location. Most cables have a BNC adapter installed, but all have an SO-239 (also known as an UHF female connector). It is advisable to bring a length of RG-58U with a PL-259 and a female-to-female adapter at one end, and a connector for your transceiver at the other.

Supplementary equipment could be a base station transceiver with power supply, a larger emergency battery, clip leads for connecting to a car battery, a battery charger, a better antenna or material for erecting a temporary outside antenna, a log book, and message blanks. An emergency kit containing the essentials could be made up and kept in the car, ready to go.

Depending upon the nature of the emergency, bring comfort items such as sleeping bags, toilet articles, and perhaps a change of clothes.

PERSONAL EQUIPMENT AND SUPPLIES

Prepare for any emergency with the proper equipment and supplies. Keep the following supplies and equipment together and readily available.

i. Minimum Equipment

1. Handheld transceiver.
2. Extra batteries.
3. DC adapter and auto cigarette lighter plug.
4. Half wave or 5/8 wave antenna for handheld.
5. Magnetic mount antenna.

ii. Supplementary Equipment

1. Base station transceiver with power supply.
2. Gel-cell battery.
3. Clip leads for connecting to a car battery.
4. Battery charger.
5. Miscellaneous BNC and UHF adapters.

iii. Supplies

1. Notebook.
2. Masking tape.
3. Pens and pencils.
4. Tablets and Post-its.
5. ID badges, signs, and licenses.

iv. Miscellaneous

1. Jacket.
2. Food or snacks.
3. Water.
4. Personal medication.
5. Personal hygiene supplies (toothbrush, moist towelettes, etc.).
6. First aid kit.
7. Thomas Guide or City Map.

MOUNTAIN VIEW AREA EMERGENCY LOCATIONS AND SHELTERS

Emergency Locations

Emergency Locations	Address	Cross Street
1. Fire Station #1	251 S. Shoreline Blvd.	Dana St.
2. Fire Station #2	160 Cuesta Dr.	Grant Rd.
3. Fire Station #3	301 N. Rengstorff	Montecito Ave.
4. Fire Station #4	229 N. Whisman Rd.	Gladys Ave
5. Fire Station #5	2195 N. Shoreline Blvd.	Crittenden Ln.
6. Emergency Operations Center	1000 Villa St.	Franklin St.
7. Municipal Operations Center	231 N. Whisman Rd	Gladys Ave.
8. El Camino Hospital	2500 Grant Road	North Drive

Shelters

Shelters	Address	Cross Street
9. Bubbs School**	525 Hans Ave.	Boranda Ave.
10. Castro School	505 Escuela Ave.	Latham St.
11. Community Center*	201 S. Rengstorff Ave.	Crisanto Drive
12. Crittenden Middle School*	1701 Rock St.	Telford Ave.
13. Graham Middle School*	1175 Castro St.	Miramonte Ave.
14. Huff School	253 Martens Ave.	Carmelita Dr.
15. Landells School**	115 West Dana St.	Calderon Ave.
16. Monta Loma Elementary**	460 Thompson Ave.	Craig Court
17. Mtn. View High School*	3535 Truman Ave.	Truman Ave.
18. Mtn. View Sports Pavilion*	1185 Castro St.	Miramonte Ave.
19. Senior Center*	266 Escuela Ave.	Villa St.
20. Slater School	325 Gladys Ave.	Whisman Rd.
21. So. Bay Christian School	1134 Miramonte Ave.	Trophy Drive
22. Springer School	1120 Rose Ave.	Orangetree La.
23. St. Francis High School	1885 Miramonte Ave.	Gest Drive
24. St. Joseph School	1120 Miramonte Ave	Harpster Dr.
25. Theuerkauf School	1625 San Luis Ave.	San Pierre Way
26. Whisman School	310 Easy St.	W. Walker Dr.
27. Whisman Sports Center*	1500 Middlefield Road	Terra Bella Ave.
28. YMCA*	2400 Grant Road	North Drive

*Red Cross Shelter

**CERT Site

COAX TERMINATORS

Following is a list of locations where 2-meter/440 antenna coax terminates. Note that not all locations have antenna drops. The drops are terminated in an SO-239 connector (UHF female) except where otherwise noted. Always bring at least 25 feet of RG-8 or RG-58 coax with PL-259 (UHF male) fittings on each end.

<u>Emergency Locations</u>	<u>Antenna Drop</u>
1. Community Center	The cable drop is located to the right of the stage when you are looking out into the room. The cable is labeled as an amateur radio cable and should be tied to the ladder leading to the area above the stage.
2. Senior Center	The cable drop is located on the wall behind the reception desk. The cable is labeled as an amateur radio cable.
3. El Camino Hospital	Temporary location—Conference Room B, lower level, near cafeteria. Radio gear is kept in a rolling chest in the closet. A cable drop on an individual antenna is also located in the Emergency Room office area.
4. Emergency Operations Center	All equipment is in the ARES radio room. No extra cables or equipment is necessary.
5. Fire Station #1	Multi-band Discone Antenna with cable drop to the radio charging closet. The cable can be extended to the adjacent office.
6. Fire Station #2	Multi-band Discone Antenna with cable drop to the front office on the Grant Road side (behind copy machine).
7. Fire Station #3	Multi-band Discone Antenna with cable drop to the communication room in the front office on the Rengstorff side.
8. Fire Station #4	Triband Co-linear Antenna with cable drop to the A/V room next to the Training Chief's Office.
9. Fire Station #5	Multi-band Discone Antenna with short cable drop outside to the right of main entrance to double-wide at the end of ramp. 50' extension coax will be needed
10. Landells School	CERT Trailer
11. Monta Loma School	CERT Trailer
12. Bubb School	CERT Trailer
13. Mtn. View-Whisman School District 750-A San Pierre Way	Multi-band Discone Antenna with cable drop to the corridor near Payroll Cubicle.
14. Mtn. View-Los Altos Union High School District, 1299 Bryant Ave.	Multi-band Discone Antenna with cable drop through outside wall under window into office near large conference room (EOC).

AREA FREQUENCIES

<u>Location</u>	<u>Frequency</u>	<u>Repeater</u>	
Cities:			
Campbell	146.565 simplex		
Cupertino	147.570 simplex		
Gilroy	147.480 simplex		
Los Altos	145.570 simplex		
Los Altos Hills	146.745 repeater	-600	110.9 PL
Los Gatos/Monte Sereno	147.390 repeater	+600	151.4 PL
Milpitas	147.525 simplex		
Morgan Hill	144.345 simplex		
Mountain View	146.535 simplex		
	146.415 simplex		
	147.460 simplex		
	144.310 simplex		K6MTV-1 BBS
Palo Alto	147.540 simplex		
	145.230 repeater	-600	100.0 PL
Santa Clara	147.475 simplex		
	147.510 simplex		
San Jose	145.035 simplex		
	145.650 simplex		
	146.475 simplex		
	146.430 simplex		
Saratoga	146.505 simplex		
Sunnyvale	147.405 simplex		
	145.170 repeater	-600	94.8 PL
	147.495 simplex		
South of Sunnyvale	146.115 repeater	+600	100.0 PL
NASA Ames	145.250 repeater	-600	
Other:			
General Area	145.270 repeater	-600	100.0 PL
Inter-city	145.680 simplex		
Packet	223.660 simplex		
	144.910 simplex		
	433.530 simplex		

COUNTY-WIDE NET PLAN FREQUENCIES

Net Name	Frequency			Tone	Repeater
	Receive	Shift	Transmit		
Command Net	442.500	+	447.500	100.0	WB6ZVW
Command Net Alternate	444.300	+	449.300	162.2	WB6RNH
Message Net Primary	147.360	+	147.960	110.9	W6TI
Message Net Alternate 1	146.760	-	146.160	151.4	WB6OQS
Message Net Alternate 2	145.450	-	144.850	100.0	K6FB
Resource Central	146.115	+	146.715	100.0	AA6BT (SVECS)
Resource West	145.270	-	144.670	100.0	W6ASH (SPECS)
Resource South	443.275	+	448.275	107.2	K6SNY
County-wide Common	145.680	n/a	same	N/A	N/A
County Packet Data	144.910	n/a	same	N/A	W6XSC-1
	223.660	n/a	same	N/A	
	433.530	n/a	same	N/A	
MTV Tactical 1	146.535	N/A	same	N/A	N/A
MTV Tactical 2	146.415	N/A	same	N/A	N/A
MTV Tactical 3	147.460	N/A	same	N/A	N/A
MTV Command	440.800	+	445.800	100.0	W6ASH (SPECS)
MTV Packet BBS	144.310		same	N/A	K6MTV-1
Hospital Net	145.230	-	144.630	100.0	N6NFI

Definitions:

Command Net

This net's function is to provide an intercom for County ARES/RACES Staff, SCV Section Staff, City ECs, and Shift Supervisors. No formal traffic is to be passed on this net. This net also serves Staff, ECs, and Shift Supervisors when enroute from one location to another.

Message Net

This countywide net's function is to carry formal traffic between cities and other jurisdictions to the County EOC, San Jose Red Cross, and Palo Alto Red Cross.

Resource Net

This net's function is to recruit resources, both operators and equipment. No tactical traffic is to be passed on this net. Neither the County EOC, the Cities, nor other jurisdictions or agencies need to normally monitor the Resources Net. They may directly contact the Resource Net Control Operator to originate resource requests or they may pass those requests via the Message Net. Responses will be made via the Message Net.

Packet Data Net

This net's function is to handle damage assessment traffic from cities and other jurisdictions to the County EOC, and logistics traffic between cities and other jurisdictions to the County EOC, San Jose Red Cross and Palo Alto Red Cross. This net utilizes the county's Emergency BBS operating system and usually transmits messages formatted according to the state's Resource Information Management System (RIMS).

Other Tactical Nets

These nets are created on an as-required basis to handle ARES/RACES operations within a city or other jurisdictions. They may also be created by other agencies, such as the Red Cross, Hospitals, etc., to handle specific kinds of traffic. Tactical net names are assigned by the creating jurisdiction or agency. Tactical net control is from the jurisdiction's or agency's EOC. Tactical nets will not normally be monitored by the County EOC nor by the Red Cross Chapters (except Tactical Nets created by the Red Cross).

HOSPITAL NET – SANTA CLARA COUNTY O.E.S.
By Phil Henderson, KF6ZSQ

Date & Time: 4th Wednesday of every month at 1900 hours
Frequency: 145.230 (N6NFI), negative offset, 100 PL

Roll-call: Net Control usually asks each hospital to respond with:

- Hospital name
- Your call sign and first name
- The call and first name of any others with you
- Whether you are using hospital equipment
- If you have any traffic
- Whether the hospital has given you the Disaster Report Form.

Hospital Participation:

- Stanford Medical Center
- Palo Alto Veteran's Administration Hospital
- El Camino Hospital
- Kaiser, Santa Clara
- Los Gatos Community Hospital
- Good Samaritan Hospital
- O'Connor Hospital
- Regional San Jose Hospital
- Valley Medical Center
- San Jose Medical Center
- Kaiser Santa Teresa
- St. Louise Regional Hospital

EL CAMINO HOSPITAL, MOUNTAIN VIEW:

Net Radio: Temporary location—Conference Room B, lower level, near cafeteria.
The radio gear is kept in a rolling chest in the closet.

Bldg Access: Call Security at Ext. 7614, or dial 0 and have Security paged. Show your Hospital Security badge and have your DSW badge with you.

Hospital Contact: Steven Weirauch, 650-988-7569 (o), 408/691-6520 (c)

Mountain View ARES/RACES Participants:

- Rudy Bahr, W6OWI, Mountain View AEC, 650-967-8246, bahrjunior@comcast.net
- Phil Henderson, KF6ZSQ, Mountain View AEC, 650-961-6802, kf6zsq@yahoo.com
- Frank Weiss, K6FCW, 650-969-1939, frankweiss@aol.com
- Mark Wunderman, AE6KV, 650-965-7615, markwunderman@sprintmail.com
- Barry Pfeil, K6RM, 650-969-6344, barrypfeil@sbcglobal.net
- Bob Fishman, K6FSH, 408-735-8100, fish810@yahoo.com

Other ECH Drops/Radios:

- Emergency Room – Look in the office to the left of the desk inside the Emergency Room, 2-meter antenna drop with BNC female antenna jack on far wall underneath the desk directly opposite the door, about 18 inches off the floor.