



**AMERICAN HEART ASSOCIATION
CENTRAL MARYLAND CHAPTER**

415 N. Charles Street • Baltimore, Maryland 21201 • (301) 685-7074

AMERICAN HEART ASSOCIATION-CENTRAL MARYLAND CHAPTER
CARDIOPULMONARY RESUSCITATION EQUIPMENT PROPOSAL

FORWARD

This document is a request of the American Heart Association-Central Maryland Chapter for equipment to support the Cardiopulmonary Resuscitation Program in the central Maryland area which includes Baltimore City, Anne Arundel, Baltimore, Harford and Howard Counties

THE PROBLEM

Twenty-four hundred people in central Maryland die every year from heart attack. It's ironic that the death toll is so high in a community such as ours when one considers the high calibre of medical facilities and the sophisticated equipment available in most of those facilities. But coronary care equipment and facilities are of little use if a heart attack victim does not reach them in time. The victim must have emergency care immediately--within four to six minutes--to sustain his life.

THE ANSWER

To meet this emergency, the techniques of Cardiopulmonary Resuscitation (CPR) were developed. Pioneered in Maryland and supported and refined with Heart Association dollars, CPR uses a

Serving Baltimore City and Anne Arundel, Baltimore, Harford and Howard Counties

A Chapter of the Maryland Affiliate, American Heart Association

combination of mouth-to-mouth breathing and closed chest heart compression to revive a stopped heart. CPR will sustain a person's life until advanced life support can reach him.

HEART ASSOCIATION IS THE
STANDBEARER

"In 1963, the American Heart Association established a Committee on Cardiopulmonary Resuscitation. In 1966, The National Academy of Sciences--National Research Council sponsored a Conference on Cardiopulmonary Resuscitation that recommended the training of medical, allied health, and professional paramedical personnel in cardiopulmonary resuscitation according to the standards of the American Heart Association.

In 1973, the American Heart Association and the National Academy of Sciences--National Research Council sponsored a National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care.

*The Conference recommended principles and techniques for basic and advanced life support, reaffirmed that CPR training would be according to American Heart Association standards, and most importantly, CPR should be taught to the lay public."**

THE PROGRAM

Soon after the Conference, the American Heart Association-- Central Maryland Chapter began gearing up to teach the lay public CPR. We developed a four-hour course for citizens, acquired the minimal amount of equipment and trained and certified a sufficient number of volunteer CPR instructors. Since 1973, the Central Maryland Chapter has certified 24,000 persons in the

*Supplement to The Journal of the American Medical Association, February 18, 1974, Vol. 227, No. 7, Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care.

techniques of CPR.

This year we achieved a dramatic breakthrough, CPR will be required as part of the health curriculum in area school systems. CPR instruction is now being taught in Baltimore, Harford and Howard County school systems. Baltimore City has expressed interest in the CPR program.

THE COURSE

The four-hour citizens CPR course includes a showing of the film, The Pulse of Life, a two-part lecture and slide presentation on airway, rescue breathing, and circulation, a Resusci-Anne manikin demonstration of rescue breathing, a discussion of the early warning signs of heart attack and legal implications of CPR, a practice session on the techniques of CPR with the Resusci-Anne manikin and a written examination. All citizens must pass a practical and written examination on the techniques of CPR before certification is granted.

THE NEED

The demand for CPR courses is exceeding our capabilities. We have the manpower to meet the demand, but not the equipment. It's a simple formula: more equipment will produce more CPR courses; and more CPR courses will train more citizens in the techniques of CPR; and more citizens trained in CPR will save more lives at home, work or play. In fact, we know that people we have trained here in central Maryland have saved lives. In some cases the person saved was a loved one, in other cases the person was a stranger.

We have the work force, we need the equipment to do the job.

Diagrams below illustrate the unit structure of our program, the equipment each unit available, the additional equipment each unit needs, the cost to equip each unit and cost breakdown of each piece of equipment.

CURRENT EQUIPMENT INVENTORY

UNITS	16 mm Film Projector	16 mm Film	35 mm Slide Projector	Resusci- Anne Manikin	Resusci- Baby Manikin
Anne Arundel County	1	1	1	5	1
Baltimore City	0	1	1	4	1
Baltimore County East	0	0	0	0	0
Baltimore County Cent/West	0	1	1	4	2
Harford County	1	1	0	5	1
Howard County	0	1	1	3	3
Total	2	5	4	21	8

DEPRECIATED EQUIPMENT IN CURRENT INVENTORY

UNITS	16 mm Film Projector	16 mm Film	35 mm Slide Projector	Resusci- Anne Manikin	Resusci- Baby Manikin
Anne Arundel County	0	0	0	2	0
Baltimore City	0	0	1	4	0
Baltimore County East	0	0	0	0	0
Baltimore County Cent/West	0	0	1	4	0
Harford County	1	1	0	5	0
Howard County	0	0	0	2	0
Total	1	1	2	17	0

NEEDED EQUIPMENT INVENTORY*

UNITS	16 mm Film Projector	16 mm Film	35 mm Slide Projector	Resusci- Anne Manikin	Resusci- Baby Manikin	Cost Per Unit
Anne Arundel County	0	0	0	2	0	\$ 640.
Baltimore City	2	1	2	8	1	\$4,555.
Baltimore County East	1	1	1	2	1	\$1,890.
Baltimore County Cent/West	3	2	3	8	2	\$5,805.
Harford County	1	1	1	5	0	\$2,695.
Howard County	1	0	0	2	0	\$1,235.
Total	8	5	7	27	4	\$16,820.

COST OF EQUIPMENT PER ITEM

16 mm Film Projector	16 mm Film	35 mm Slide Projector	Resusci- Anne Manikin	Resusci- Baby Manikin
\$595.00	\$350.00	\$155.00	\$320.00	\$155.00

*Needed equipment inventory = depreciated equipment plus needed equipment to meet demand.

Starts
as of
12/20/76

CPR Program

WMAA-TV
Week of Feb 15th
7:30 P.M.

ANNE ARUNDEL COUNTY

Co. Exec. gave
order to
Fire Dept.
Logistics



- Location of Registration Materials: Local Fire Departments
- Location of CPR Courses: To Be Determined
- Central Registration Office: To Be Determined
- Number of Instructors Required: 200
- Number of Certified Fire Department CPR Instructors:
- Number of Citizens Per Course: 100
- Number of Citizens To Be Certified: 2,000

What is a Heart Attack?
How to survive a H.A.
Warning signals
CPR in the Home School System

Course Schedule

<u>Week</u>	<u>Date of CPR Course</u>	<u>Course Number</u>
1	Tuesday, February 1	1
1	Saturday, February 5	2
2	Wednesday, February 9	3
2	Saturday, February 12	4
3	Thursday, February 17	5
3	Saturday, February 19	6
4	Tuesday, February 22	7
4	Saturday, February 26	8
5	Monday, February 28	9
5	Saturday, March 5	10
6	Tuesday, March 8	11
6	Saturday, March 12	12
7	Wednesday, March 16	13
7	Saturday, March 19	14
8	Thursday, March 24	15
8	Saturday, March 26	16
9	Monday, March 28	17
9	Saturday, April 2	18
10	Tuesday, April 5	19
10	Saturday, April 9	20

1 time a week
for 20 weeks

Sunpapers
will underwrite
& promote

BALTIMORE CITY

Logistics

Location of Registration Materials: Local Fire Departments
Location of CPR Course: To Be Determined
Central Registration Office: To Be Determined
Number of Instructors Required: ~~200~~ 35 Paid by City
Number of Certified Fire Department CPR Instructors: Fire Dept. / part of regular duty
Number of Citizens Per Course: 100
Number of Citizens To Be Certified: 2,000

Course Schedule

<u>Week</u>	<u>Date of CPR Course</u>	<u>Course Number</u>
1	Tuesday, February 1	1
1	Saturday, February 5	2
2	Wednesday, February 9	3
2	Saturday, February 12	4
3	Thursday, February 17	5
3	Saturday, February 19	6
4	Tuesday, February 22	7
4	Saturday, February 26	8
5	Monday, February 28	9
5	Saturday, March 5	10
6	Tuesday, March 8	11
6	Saturday, March 12	12
7	Wednesday, March 16	13
7	Saturday, March 19	14
8	Thursday, March 24	15
8	Saturday, March 26	16
9	Monday, March 28	17
9	Saturday, April 2	18
10	Tuesday, April 5	19
10	Saturday, April 9	20

W
May

BALTIMORE COUNTY

Logistics

Location of Registration Materials: Local Fire Departments

Location of CPR Courses: To Be Determined

Central Registration Office: To Be Determined

Number of Instructors Required: ~~200~~ 22 Heart Assoc
Trained

Number of Certified Fire Department
CPR Instructors:

Number of Citizens Per Course: 100

Number of Citizens To Be Certified: 2,000

Course Schedule

<u>Week</u>	<u>Date of CPR Course</u>	<u>Course Number</u>
1	Tuesday, February 1	1
1	Saturday, February 5	2
2	Wednesday, February 9	3
2	Saturday, February 12	4
3	Thursday, February 17	5
3	Saturday, February 19	6
4	Tuesday, February 22	7
4	Saturday, February 26	8
5	Monday, February 28	9
5	Saturday, March 5	10
6	Tuesday, March 8	11
6	Saturday, March 12	12
7	Wednesday, March 16	13
7	Saturday, March 19	14
8	Thursday, March 24	15
8	Saturday, March 26	16
9	Monday, March 28	17
9	Saturday, April 2	18
10	Tuesday, April 5	19
10	Saturday, April 9	20

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May

HARFORD COUNTY

Logistics

Location of Registration Materials: Local Fire Departments
Location of CPR Courses: To Be Determined
Central Registration Office: To Be Determined
Number of Instructors Required: 100
Number of Certified Fire Department CPR Instructors:
Number of Citizens Per Course: 50
Number of Citizens To Be Certified: 1,000

Course Schedule

<u>Week</u>	<u>Date of CPR Course</u>	<u>Course Number</u>
1	Tuesday, February 1	1
1	Saturday, February 5	2
2	Wednesday, February 9	3
2	Saturday, February 12	4
3	Thursday, February 17	5
3	Saturday, February 19	6
4	Tuesday, February 22	7
4	Saturday, February 26	8
5	Monday, February 28	9
5	Saturday, March 5	10
6	Tuesday, March 8	11
6	Saturday, March 12	12
7	Wednesday, March 16	13
7	Saturday, March 19	14
8	Thursday, March 24	15
8	Saturday, March 26	16
9	Monday, March 28	17
9	Saturday, April 2	18
10	Tuesday, April 5	19
10	Saturday, April 9	20

HOWARD COUNTY

All Systems go.

Logistics

Location of Registration Materials: Local Fire Departments
Location of CPR Courses: Howard Community College
Central Registration Office: Howard Community College
Number of Instructors Required: 100
Number of Certified Fire Department CPR Instructors:
Number of Citizens Per Course: 50
Number of Citizens To Be Certified: 1,000

Course Schedule

<u>Week</u>	<u>Date of CPR Course</u>	<u>Course Number</u>
1	Tuesday, February 1	1
1	Saturday, February 5	2
2	Wednesday, February 9	3
2	Saturday, February 12	4
3	Thursday, February 17	5
3	Saturday, February 19	6
4	Tuesday, February 22	7
4	Saturday, February 26	8
5	Monday, February 28	9
5	Saturday, March 5	10
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7	Wednesday, March 16	13
7	Saturday, March 19	14
8	Thursday, March 24	15
8	Saturday, March 26	16
9	Monday, March 28	17
9	Saturday, April 2	18
10	Tuesday, April 5	19
10	Saturday, April 9	20