EAR PROTECTION FOR HAZARDOUS NOISE LEVEL LOCATIONS

1. GENERAL

1.01 This section covers hazardous sound levels (dba), their detection, and the precautions to take when they are encountered.

1.02 This section is reissued to revise Table A and generally update the section.

1.03 The provisions of this section comply with the requirements in State Noise Control Orders, Title 8, Group 15, Article 105 (February 1972).

2. SAFETY REQUIREMENTS

2.01 Local supervisors will arrange with their Network staff for sound level measurements in any location suspected of excessively high noise levels. Approved ear protectors shall be used by employees working in suspected locations until noise measurement tests prove the locations safe.

2.02 The Network staff shall be responsible for noise level measurement. They will:

(a) Use measuring equipment meeting the American National Standards Institute requirements. Approved for this purpose are the 1AC Sound Spectrometer, Model SS375, and the General Radio 1558 Octave-Band Noise Analyzer.

(b) Measure noise levels and duration periods in accordance with Section 870-190-102 and Table A.

(c) Place a caution sign (Fig. 1) at company locations where the noise level reaches the parameters outlined in Table A. This sign has adhesive backing and may be attached to walls or any smooth surface. It is yellow with black letters and is 6 in. by 9 in. This sign may be ordered from Western Electric and is listed in the Stationery Section of the Office Supplies catalog.

Fig. 1

TABLE A

TOTAL EXPOSURE TIME PER DAY, HOURS	SOUND LEVEL dBA
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

2.03 Local supervisors will:

(a) Periodically inform employees of known company and customer locations where ear protection is required

- Local conditions will determine if ear protectors are to be stored on the job or carried by the individual.

(b) Instruct employees on the use and care of ear protectors

- Use warm soapy water for cleaning.

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3. NOISE MEASUREMENT

3.01 The accurate determination of maximum sound level (dba) depends upon:

(a) Taking noise measurements during peak noise periods. These can be determined by on-the-spot observation. Consideration should be given to the types and quantity of equipment generating the noise and the time periods during which they are used.

(b) Taking sound level (dba) measurements at several different points within the noise location. This can best be accomplished by walking the measuring device through the noise area and checking the indicator at regular intervals.

4. APPROVED PROTECTIVE DEVICES

4.01 The following devices have been approved for ear protection:

(a) American Optical — AO Hear-Guard Hearing Protector, Model 1200 (Fig. 2A)

(b) Mine Safety Appliances — "Noisefoe" Mark II, Catalog No. HB-82204 (Fig. 2B)

(c) Wilson — "Sound Barrier", Model 258 (Fig. 2C)

4.02 Ordering information on complete units and piece parts is in the Tool Section of the Supply Catalog.

AO HEAR-GUARD HEARING PROTECTOR
MODEL 1200

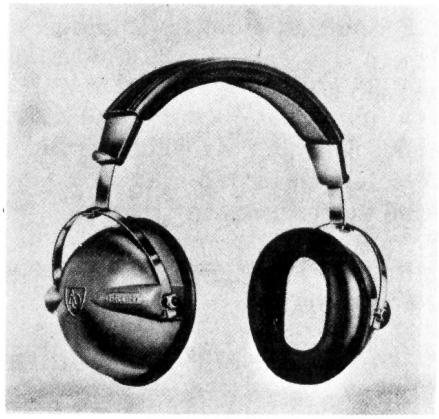

Fig. 2A

MINE SAFETY APPLIANCES
"NOISEFOE"
MARK II

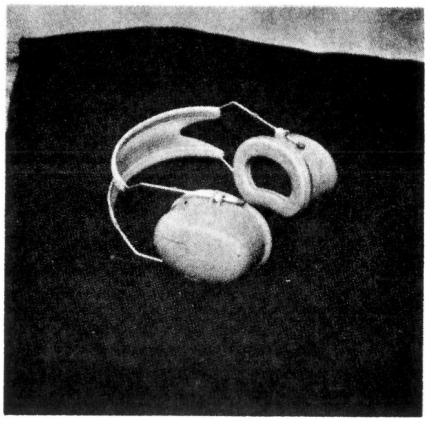

Fig. 2B

WILLSON
"SOUND BARRIER"
MODEL 258

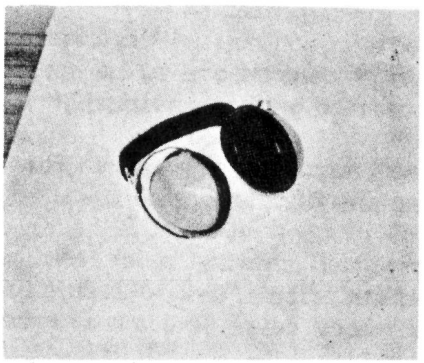

Fig. 2C