

# Learning Magnifies Noise

ANN ARBOR—The more education you have the more you may be bothered by noise from household appliances.

Researchers at the Acoustics and Seismic Laboratory of The University of Michigan's Institute of Science and Technology have probed the reactions of 182 persons to appliance noise.

The laboratory reports that "there appears to be a strong trend toward bothersomeness increasing with educational levels. There can be little doubt that college-educated individuals are more bothered with the sound stimuli presented than the remainder of the population."

Results of the tests in the living room of a normally furnished Ann Arbor home also indicated that completion of high school might not be a factor.

"Those who completed high school, in fact, seemed slightly less bothered than those who attended high school, but received no diploma," according to the report.

In the carefully controlled experiment, the researchers also found that those who were most bothered by the noise, although they were college graduates, did not necessarily have high incomes.

Many respondents were low-income graduate students at The University of Michigan. Thus, the report continues, "in the present case it is possible to state with a rare degree of confidence that it is education and not income which is contributing importantly to the relationship between noise and bother."

The researchers also discovered that persons with many appliances in their kitchen are less bothered when the sounds are at low levels. "At higher levels, however, there is a tendency for this same group of people to be more bothered."

The research was conducted by a team of U-M faculty members including Norman E. Barnett, research physicist; Bruce E. Erickson, associate professor of architecture; and Robert Hefer, associate professor of psychology.



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WHOLE  
**FRESH FRYERS**  
**25<sup>¢</sup>** LB.

U.S. CHOICE  
**CHUCK ROAST**  
**49<sup>¢</sup>** LB.  
BLADE CENTER CUT  
U.S. CHOICE BOSTON ROLL BONELESS ROAST  
**79<sup>¢</sup>** LB.

CENTER CUT RIB  
**PORK CHOPS**  
**89<sup>¢</sup>** LB.  
LOIN CHOPS  
**99<sup>¢</sup>** LB.

FRESH FRYER  
**BREASTS or LEGS**  
**59<sup>¢</sup>** LB.  
WHOLE WITH RIBS OR BACK ATTACHED

FRESH PICNIC STYLE  
**PORK ROAST**  
**39<sup>¢</sup>** LB.

WHOLE OR HALF  
**PORK LOIN** ..... **69<sup>¢</sup>** LB.  
COUNTRY STYLE  
**SPARE RIBS** ..... **69<sup>¢</sup>** LB.

COUNTRY CLUB POINT CUT  
**CORNER BEEF** ... **69<sup>¢</sup>** LB.  
WHOLE OR HALF-SEMI-BONELESS  
**HAM** ..... **69<sup>¢</sup>** LB.

SERVE N' SAVE  
**SLICED BACON** ... **69<sup>¢</sup>** LB.  
COUNTRY CLUB  
**WIENERS** ..... **59<sup>¢</sup>** PKG

FULL SHANK HALF  
**SMOKED HAMS**  
**49<sup>¢</sup>** LB.

KROGER MEDIUM SIZE  
**GRADE 'A' FRESH EGGS**  
**29<sup>¢</sup>** DOZEN ALL WHITE

KROGER  
**PINEAPPLE-GRAPEFRUIT DRINK**  
**22<sup>¢</sup>** 1-OT 14-OZ CAN

CHUNK STYLE  
**Breast O' Chicken TUNA**  
**25<sup>¢</sup>** 4 1/2-OZ WT CAN

25¢ OFF LABEL  
**KING SIZE CHEER**  
**99<sup>¢</sup>** 3-LB 4-OZ BOX

PLASTIC  
**GARBAGE CANS**  
**2<sup>99</sup>** 3-CAL SIZE EACH

KROGER BRAND  
**PORK AND BEANS** ..... **1-LB 10<sup>¢</sup>** CAN

KROGER-ITALIAN, FRENCH OR  
**POTATO BREAD** ..... **2 1/2-OZ 49<sup>¢</sup>** PKG

PURE GRANULATED  
**PIONEER SUGAR** ..... **5-LB BAG 49<sup>¢</sup>**

SPOTLIGHT  
**INSTANT COFFEE** ..... **10-OZ 99<sup>¢</sup>** WT JAR

1/2 OFF LABEL BETTY CROCKER FUDGE  
**BROWNIE MIX** ..... **1-LB 29<sup>¢</sup>** PKG

DEL MONTE CALORIES REDUCED  
**FRUIT COCKTAIL** ..... **1-LB 18<sup>¢</sup>** CAN

STRAINED VARIETIES  
**HEINZ BABY FOOD** ..... **4 1/2-OZ 7<sup>¢</sup>** WT JAR

ASSORTED FLAVORS  
**BIG 'K' POP**  
**10<sup>¢</sup>** PINT 8-TL

10¢ OFF LABEL  
**SUNSHINE RINSO**  
**59<sup>¢</sup>** 3-LB 2-OZ BOX

10¢ OFF LABEL  
**MIRACLE WHIP** ..... **QUART 48<sup>¢</sup>** JAR

HICKORY FLAVORED  
**HUNT'S CATSUP** ..... **14-OZ 10<sup>¢</sup>** WT BTL

KANDU BRAND  
**GALLON BLEACH** ..... **PLASTIC 36<sup>¢</sup>** JUG

MORTON FROZEN  
**CREAM PIES** ..... **14-OZ PKT 25<sup>¢</sup>**

12¢ OFF LABEL  
**ULTRA BRITE TOOTH PASTE** ..... **6 1/2-OZ 49<sup>¢</sup>** WT TUBE

SOFT WHITE  
**SCOTT TISSUE** ..... **8 ROLLS 99<sup>¢</sup>**

12¢ OFF LABEL  
**ULTRA BRITE TOOTH PASTE** ..... **6 1/2-OZ 49<sup>¢</sup>** WT TUBE

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CALIF. THOMPSON  
**SEEDLESS GRAPES**  
**19<sup>¢</sup>** LB.

FRESH ICEBERG  
**HEAD LETTUCE**  
**29<sup>¢</sup>** 24-SIZE HEADS

RED RIPE  
**WATERMELONS** ..... **EACH 99<sup>¢</sup>**  
27 SIZE VINÉ RIPPED  
**CANTALOUPE** ..... **3 FOR \$1**  
U.S. NO. 1 MICHIGAN  
**NEW POTATOES** ..... **20 LB BAG 99<sup>¢</sup>**

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WITH THIS COUPON AND \$5 PURCHASE OR MORE BORDEN'S SHERBET OR  
**COUNTRY CLUB ICE CREAM**  
FIRST 1/2 GAL **65<sup>¢</sup>**  
SECOND 1/2 GAL **35<sup>¢</sup>**  
Save 30¢  
Valid Thru Sun., Aug. 20, 1967 At Kroger Det. & East, Mich.

**VALUABLE COUPON** Limit One Coupon  
WITH THIS COUPON AND \$5 PURCHASE OR MORE KROGER-REG. OR DRIP  
**VAC PAC COFFEE**  
**2<sup>99</sup>** LB. CAN  
Save 10¢  
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**50 TOP VALUE STAMPS**

WITH THIS COUPON ON 2-PKS CUT-UP FRYERS, 2 PKGS FRYER PARTS OR 2 SPLIT BROILERS  
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**50 TOP VALUE STAMPS**

WITH THIS COUPON ON 2-LB ROLL OR BULK LINK GORDONS PORK SAUSAGE  
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**50 TOP VALUE STAMPS**

WITH THIS COUPON ON 100-CT BOTTLE ANACIN TABLETS  
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**50 TOP VALUE STAMPS**

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