A CATALOG OF SOCIAL SURVEYS OF RESIDENTS' REACTIONS TO ENVIRONMENTAL NOISE (1943-1980)

JAMES M. FIELDS

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# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Description of Information in Catalog</td>
<td>2</td>
</tr>
<tr>
<td>Catalog of Surveys (by Country)</td>
<td>5</td>
</tr>
<tr>
<td>Noise Source Index</td>
<td>98</td>
</tr>
<tr>
<td>Country Index</td>
<td>106</td>
</tr>
<tr>
<td>Chronological Index</td>
<td>115</td>
</tr>
<tr>
<td>Survey Number Index</td>
<td>122</td>
</tr>
<tr>
<td>Noise Survey Data Sets Deposited in the SSRC Archive</td>
<td>129</td>
</tr>
<tr>
<td>Bibliography</td>
<td>130</td>
</tr>
<tr>
<td>List of Selected English Translations</td>
<td>172</td>
</tr>
</tbody>
</table>
A CATALOG OF SOCIAL SURVEYS OF RESIDENTS' REACTIONS TO ENVIRONMENTAL NOISE (1943-1980)

James M. Fields
Visiting Scientist
NASA Langley Research Center
Hampton, Virginia

SUMMARY

Two hundred social surveys of people's responses to environmental noise in residential areas are briefly described. The surveys are indexed by country, noise source and date of survey. The publications and reports about each survey are listed in a bibliography. Recent English translations of fourteen publications are listed separately. Nineteen surveys are listed which are available for secondary analysis from a data archive.

INTRODUCTION

Social surveys have been widely used since the early 1960's to assess the impact of environmental noise in residential areas. These surveys have usually measured impact on each surveyed individual (respondent) with a standardized questionnaire. In most cases noise levels have been either measured or estimated for each respondent's residence. Analyses in the studies have identified characteristics of the noise environment, non-noise environment and the respondents which affect the impact of environmental noise.

These surveys have often been underutilized because information about the surveys has been difficult to obtain. This is partly because most surveys' immediate purposes have been fulfilled with reports to sponsoring agencies. In such cases the results have often not become widely published and researchers and planners have not been able to locate relevant surveys. While other surveys have produced publications, their large data sets have only been partially analyzed. The potential thus exists for increasing some types of knowledge about reactions to noise without gathering additional data.

In order to more fully utilize these existing social surveys, a three part program is being carried out at the NASA Langley Research Center: (1) reanalysis of existing surveys (2) preservation of existing surveys in data archives and (3) dissemination of information about existing surveys and their publications.
The survey reanalyses are being published in separate reports as the work on particular research questions is completed. The data archive part of the program is being carried out through the Social Science Research Council (SSRC) Data Archive (described in a later section of this report). The third part of the program, the dissemination of information about existing surveys, is the chief goal of this report.

The major part of this report is a catalog which contains descriptions of 200 surveys of people's response to noise. The entries are arranged in the catalog by country. Additional indices of the surveys are provided which are arranged by noise source, country, date of survey and survey identification number. A bibliography of all these surveys' publications and reports is provided. The availability of English translations is noted. The SSRC data archive holdings are also listed.

DESCRIPTION OF INFORMATION IN CATALOG

Each survey's entry in the catalog consists of a basic description and a list of the study's publications and reports. Although each description is brief, it should enable a user to determine whether he will want to examine a study's reports. More extensive descriptions of studies were considered but rejected because they would have required considerably more effort without relieving most users from the necessity of consulting a study's reports.

This catalog lists social surveys of residents' response to environmental noise. (Social surveys of response to noise in the workplace have not been included). The catalog includes all surveys which have been described in the following 10 major English language publications: Journal of Sound and Vibration (Vol. 1-73), Journal of the Acoustical Society of America (Vol. 1-68), Noise Control (All Issues), Sound (All Issues), Noise Control Engineering (Vol. 1-14), International Congress of Acoustics Proceedings, (1-9th meetings) INTERNOISE Proceedings (through 1980), NOISE-CON Proceedings (through 1979), a Wyle report on social surveys (Wyle, 1977) and an article reviewing surveys (Schultz, 1978).

Other sources have also been consulted. An attempt has been made to include all major, large scale surveys whether or not they are available in English. Many other, less widely known surveys are also listed.

A few surveys were identified but not included in the catalog because their publications could not be obtained or their principal investigators could not be contacted. It seems likely that Japan is the only country in which large numbers of major surveys have been carried out which could not be included in this catalog. (Neither English language documents nor adequate addresses for researchers were available for nine known Japanese studies).

Each study's entry consists of information under the following eleven headings:

a. Study Code: This two part alpha-numeric code has been assigned for the purpose of this report. The three letters indicate the country. The three digit number is, by itself, unique for each survey. (The preceding letters are only attached to aid in locating the survey in the catalog). In so far as is possible, this number has been assigned in ascending order by date of survey.

b. Title: This title is consistently used in this catalog and its indices.
Any other widely used title for the survey follows in parentheses. The terms "pilot" or "preliminary" are used only when the authors used the terms. In some instances such surveys may have been carried out on a larger scale than many other "main" surveys.

**c. Date:** This is the date when the social survey data were collected. Associated noise measurement programs, if any, may have been carried out in a different year.

**d. Main Sources:** The major noise sources studied are identified.

**e. Location:** The country and city or airport where the survey was conducted is named.

**f. Sample size:** This is the number of interviews used in the main analysis. In cases where some respondents were reinterviewed, the number of respondents is also noted. Unless otherwise noted, this number does not include supplementary samples which were drawn to study special groups (eg. complainants) or to study particular methodological issues.

**g. Noise level:** Where estimates of the noise exposure levels at respondents' residences are available, the level of grouping of the noise estimate is indicated. If one decibel or finer distinctions are made, the noise level is labeled "continuous." No attempt is made to judge the quality of the noise level estimates or the measurements upon which the estimates are made.

**h. Reports:** The authors and dates of all known reports and publications for each study are listed. The complete reference for each item can be found in the bibliography section of this report. The availability of English translations is noted in the bibliography. In order to assist readers who are attempting to collate reports on the same survey, papers presented at professional meetings are included even when other later reports may be more complete. Publications which contain only secondary analyses or references to previously published data are not usually included.

**i. Methods:** The following phrases are used to refer to four aspects of the study method:

(1) "Fixed Format Questionnaire": These studies have a set of questions which are to be read exactly as written in the order presented in the questionnaire.

(2) "Face-to-Face Interviews": These studies are conducted by interviewers who read the questionnaire to the respondent when the interviewer is physically present.

(3) "Cross-sectional Study Design": Each respondent is interviewed once. All respondents in a particular area are interviewed at approximately the same time.

(4) "Residents of Area Studied": The respondents are residents in the area in which the environmental noise is rated.

**j. Comments:** Any unusual aspects of surveys are described. Close linkages with other studies are noted. Where the study has been previously listed in either the Wyle (Wyle, 1977) or Schultz (Schultz, 1978) publications this is noted. The Wyle identification number is also given.
k. **Contact:** The address of a person or organization which can provide further information about the survey is given.
CATALOG OF SURVEYS

The surveys are listed by the full six character alpha-numeric identifier. As a result, surveys are grouped by country. Where one survey has been conducted in several countries, the study is listed under only one country in this catalog but is cross listed under all countries in the country index.

The catalog begins on the page after this one.
CATALOG

Study Number: AUL-036
Title: 1969 Sydney Airport Noise Survey
Date: 1969
Major Source: Aircraft
Location: Australia: Sydney Airport
Sample Size: 296 main sample (20 complainants interviewed)
Noise Level: Available
Reports: Mather, 1971
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Twenty specially selected complainants were also interviewed. This study was cited in the list of surveys used by Wyle, 1977 (A39).
Contact: Dr. C.E. Mather
Environment Protection Authority of Victoria
P.O. Box 41
East Melbourne
Victoria 3002
Australia

Study Number: AUS-014
Title: 1964 Vienna Road Traffic Noise Survey
Date: 1964
Major Source: Road Traffic
Location: Austria: Vienna
Sample Size: 400
Noise Level: Available
Reports: Bruckmayer and Lang, 1967
Bruckmayer and Lang, 1968
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Schultz, 1978.
Contact: Dr. Judith Lang
Kustos der Staatlichen Versuchanstalt fur Warme und Schalltechnik am Technologischen Gaverbemuseum in Wien
Wahringer Strasse 59
1090 Wien
Austria

Study Number: AUS-093
Title: 1973 Vienna Road Traffic Noise Survey
Date: 1973
Major Source: Road traffic
Location: Austria: Vienna
Sample Size: 2624
Noise Level: Available
Reports: Lang, 1975
Lang, 1978
Lang, 1977
Lang, 1976
Methods: Residents of area interviewed.
Cross-sectional study design.
Fixed format questionnaire.
Comments: This study was cited in the list of surveys used by Schultz, 1978.
Contact: Dr. Judith Lang
Kustos der Staatlichen Versuchanstalt fur Warme und Schalltechnik am Technologischen Gaerbemuseum in Wein Wahringer Strasse 59 1090 Wein Austria

Study Number: AUS-178
Title: 1977 Austrian Road Traffic Survey
Date: 1977
Major Source: Road traffic
Location: Austria: at 49 measurement points in both rural and urban areas
Sample Size: 462
Noise Level: Available
Reports: Lang, 1978
Methods: (Not known)
Comments: NONE
Contact: Dr. Judith Lang
Kustos der Staatlichen Versuchanstalt fur Warme und Schalltechnik am Technologischen Gaerbemuseum in Wien Wahringer Strasse 59 1090 Wien Austria

Study Number: BEL-107
Title: Preliminary Leuven Traffic Noise Survey
Date: 1976 Publication (Date of survey not known)
Major Source: Road traffic
Location: Belgium: Leuven
Sample Size: 247
Noise Level: Available
Reports: Gambart, Mynoke and Cops, 1976
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: The survey was designed primarily to help plan the
1975 Antwerp Traffic Noise Survey (BEL-122) and 1976
Brussels Traffic Noise Survey (BEL-137).
This study was cited in the list of surveys used

Contact: Dr. H. Myncke
Laboratorium voor Akoestiek en Warmteleiding
Katholieke Universiteit Leuven
3030-Heverlee
Belgium

Study Number: BEL-122
Title: 1975 Antwerp Traffic Noise Survey
Date: 1975 (May to October)
Major Source: Road traffic
Location: Belgium: Antwerp
Sample Size: 1319
Noise Level: Available
Reports: Cops, et al., 1978
Myncke, Cops, et al., 1977
Myncke, Cops and Gambri, 1977
Myncke, Cops and Steenackers, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The study is quite similar to the 1976
study in Brussels CN-041. Some questions were
different in the two questionnaires. The study
was based on the large scale Preliminary
Leuven Traffic Noise Survey CN-042.
This study was cited in the list of surveys listed by
Contact: Dr. H. Myncke
Laboratorium voor Akoestiek en Warmteleiding
Katholieke Universiteit Leuven
3030-Heverlee
Belgium

Study Number: BEL-137
Title: 1976 Brussels Traffic Noise Survey
Date: 1976 (May to October)
Major Source: Road traffic
Location: Belgium: Brussels
Sample Size: 494
CATALOG (Continued)

Noise Level: Available
Reports: Myncke, Cops et al., 1977
Myncke, Cops and Gambri, 1977
Myncke, Cops and Steenackers, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The study is quite similar to the 1975 Study
Antwerp (BEL-122). Some questions were different in the
two questionnaires. The study was based on the large
This study was cited in the list of surveys used by
Contact: Dr. H. Myncke
Laboratorium voor Akoestiek en Warmeteleiding
Katholieke Universiteit Leuven
3030-Heverlee
Belgium

Study Number: BEL-151
Title: 1977-78 Belgium Four Airport Noise Survey
Date: 1977, 1978
Major Source: Aircraft
Location: Belgium: Four airports, Helchteren, Grimbergen, Deurne,
Middelkerke
Sample Size: 150
Noise Level: Available (continuous)
Reports: Myncke and Cops, 1978
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The four airports include one military airfield, one
general aviation airport and two with both commercial
and general aviation movements.
Contact: Dr. H. Myncke
Laboratorium voor Akoestiek en Warmeteleiding
Katholieke Universiteit Leuven
3030-Heverlee
Belgium

Study Number: CAN-055
Title: 1971 Dorval Aircraft Noise Survey
Date: 1971 (June-August)
Major Source: Aircraft
Location: Canada: Dorval Airport in Montreal
Sample Size: 1000 (approximately 150 complainant samples)
CATALOG (Continued)

(approximately 150 anti-noise organization members)
(approximately 800 random selections)

Noise Level: Available (appears to be continuous)
Reports: Community Reaction..., 1972
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used
Contact: Dr. Robert Leong
Imperial Oil
111 St. Clair
Toronto, Ontario
Canada

Study Number: CAN-076
Title: 1972 London and Woodstock Community Noise Survey
Date: 1972-1973
Major Source: Community
Location: Canada: London and Woodstock (Ontario)
Sample Size: 800
Noise Level: Available
Reports: Foreman, Emmerson, and Dickinson, 1974
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys listed
Contact: Dr. John Foreman
Sound and Vibration Laboratory
Faculty of Engineering Science
University of Western Ontario
London N6A 5B9
Canada

Study Number: CAN-077
Title: 1972 Edmonton Community Noise Survey
Date: 1972 (Summer and early Fall)
Major Source: Community
Location: Canada: Edmonton
Sample Size: 4014
Noise Level: A noise measurement survey was carried out, but its'
results are not related to responses in the report
Reports: Bolstad, 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design. There were 1201 personal interviews. Self-administered questionnaires were filled out by 3013 respondents.

Comments: This study was cited in the list of surveys listed by Wyle, 1977 (A59).

Contact: Mr. Bolstad
Bolstad Engineering Associates
Edmonton, Alberta
Canada

Study Number: CAN-078
Title: 1972 Calgary Noise Survey
Date: 1972 (February to October)
Major Source: Community, Aircraft, Railway
Location: Canada: Calgary
Sample Size: 1081 questionnaires, 504 self-administered in winter
226 self-administered in summer; 351 interviewed
Noise Level: Available (continuous)
Reports: Dunn and Jones, 1975
Jones et al., 1974
Dunn and Posey, 1974
Methods: Residents of area interviewed.
Fixed format questionnaire.
Cross-sectional study design.
Self-administered questionnaires were used for the "winter" and "summer" surveys. A different questionnaire was used for the interviews.
Comments: In addition to the residential data, information was collected in hospitals, nursing homes, schools and shopping areas.
Contact: Dr. B.E. Jones
Psychology Dept.
University of Calgary
Calgary, Alberta, T2N 1N4
Canada

Study Number: CAN-079
Title: 1972 Toronto Community Noise Survey
Date: 1972 (March, April)
Major Source: Community
Location: Canada: Toronto
Sample Size: 2454
Noise Level: Available (continuous)
Reports: Bremner, 1973
Methods: Fixed format questionnaire.
Face-to-face interviews.
Cross-sectional study design.
Interviews were carried out with people close
to the noise monitoring sites. Some were residents in the area and some worked in the neighborhood but lived elsewhere.

Comments: This study was cited in the list of surveys listed by Wyle, 1977 (A16).

Contact: Dr. V. L. Henderson
Valcooustics Canada Ltd.
30 Drewery Ave.
Willowdale, Ontario M2C 4C4
Canada

Study Number: CAN-120
Title: 1975 Western Ontario University Traffic Noise Survey
Date: 1975 (Summer and Fall): 1976 (May to September)
Major Source: Road traffic
Location: Canada: Four cities; London, Toronto, Tillsonburg, Ingersall (48 sites)
Sample Size: 1216 interviews with 1150 respondents
Noise Level: Available (continuous)
Reports: Bradley, 1976
Bradley and Jonah, 1977
Bradley, 1978
Bradley and Jonah, 1979a
Bradley and Jonah, 1979b
Bradley and Jonah, 1979c
Bradley, 1980
Jonah, Bradley and Dawson, 1981

Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.

Comments: Sixty-six interviews were repeat interviews. The same interview form is used in two years in four locations to study five types of area characteristics.

Contact: Dr. J.S. Bradley
Division of Building Research
National Research Council of Canada
Ottawa, Ontario, Canada K1A 0R6

Study Number: CAN-121
Title: 1975–76 Southern Ontario Community Survey
Date: 1975 (May, June, July): 1976 (Summer)
Major Source: Community, (especially road traffic)
Location: Canada: Hamilton, Burlington and Mississauga, Toronto area
Sample Size: 1786
Noise Level: Available (continuous)
Reports: Hall and Taylor, 1976a
Hall, Taylor and Birnie, 1977
Hall and Taylor, 1977
Hall and Taylor, 1976b
Hall, Birnie and Taylor, 1979
Taylor and Hall, 1977
Taylor, Birnie and Hall, 1978
Hall, Birnie and Taylor, 1978a
Hall, Birnie and Taylor, 1978b
Hall, 1979
Uptegrove, Hall, Taylor, Goulden, 1977

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: The questionnaires were not identical in the two years. The second year's study placed more emphasis on road traffic. Some sites had noise barriers.
This study was cited in the list of surveys used by Schultz, 1978, and Wyle, 1977 (A64).

Contact: Dr. Fred Hall
Dept. of Geography
McMaster University
1280 Main Street West
Hamilton, Ontario, L8S 4K1
Canada

Study Number: CAN-126
Title: Toronto Railway Noise Survey
Date: 1975 Publication (Date of survey not known)
Major Source: Railway
Location: Canada: Toronto
Sample Size: 170 (approximately)
Noise Level: Available (continuous)

Reports: Hemingway, 1975
Hemingway, 1976

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: This study was cited in the list of surveys used by Wyle, 1977 (A67).

Contact: Mr. Hemingway
Noise Pollution Control Section
Pollution Control Branch
Ministry of the Environment
Ontario
Canada
Study Number: CAN-136
Title: 1976 Impulse Noise Survey
Date: 1976 (June-October)
Major Source: Impulse noise from drop forging industrial plants
Location: Canada: Welland, Port Colborne and Windsor
Sample Size: 607
Noise Level: Available
Reports: Seshagiri, 1979
Seshagiri, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Residents of the communities were asked about their
reactions to the industrial noise which could be
heard from their homes.
Contact: Mr. J. Manuel, Supervisor
Noise Pollution Control Section
Ontario Ministry of the Environment
135 St. Clair Avenue West
Toronto, Canada
M4V 1P5

Study Number: CAN-168
Title: 1978 Canadian Four Airport Survey
Date: 1978 (Summer): 1979 (Summer) reinterviews
Major Source: Aircraft
Location: Canada: Four airports; Toronto, Buttonville, Waterloo-Wellington, Oshawa
Sample Size: 965 original interviews (212 reinterviews in 1979)
Noise Level: Available (continuous)
Reports: Hall, Birnie and Taylor, 1979
Birnie, Hall, Taylor, and Martin, 1980
Birnie, Hall, and Taylor, 1980
Taylor, Hall, and Birnie, 1980
Hall, Dixit, Taylor, and Martin, 1980
Taylor, Hall, and Birnie, 1979
Hall, Taylor, and Birnie, 1980
Methods: In 1979, 212 respondents were reinterviewed in Toronto.
Comments: Three of the airports were general aviation airports.
Contact: Dr. Fred L. Hall
Dept. of Geography
McMaster University
1280 Main St. West
Hamilton, Ontario L8S 4K1
Canada
Study Number: CAN-169  
Title: 1978-79 Canadian Five Railway Yard Survey  
Date: 1978-1979  
Major Source: Railway  
Location: Canada: Five railway yards in Ontario  
Sample Size: 544  
Noise Level: Available (continuous)  
Reports: Dixit and Reburn, 1980  
Hall, Dixit and Taylor, 1980  
Methods: Fixed format questionnaire.  
Residents of area interviewed.  
Face-to-face interviews.  
Cross-sectional study design.  
Comments: NONE  
Contact: Mr. A.K. Dixit  
Noise Pollution Control Section  
Ontario Ministry of the Environment  
40 St. Clair Ave. West  
Toronto  
Ontario, Canada

Study Number: CAN-174  
Title: 1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)  
Date: 1978 (June to September)  
Major Source: Community, Aircraft, Railway  
Location: Canada: Nation wide sample as well as special samples near two airports (St. Hubert in Quebec; Waterville in Nova Scotia) and four railway sites (Truro in Nova Scotia; Grand Falls, St. Leonard and Edmunston in New Brunswick)  
Sample Size: 8838  
Noise Level: Some data available for 150 respondents  
Reports: Data Base, 1979  
Methods: Fixed format questionnaire.  
Residents of area interviewed.  
Face-to-face interviews.  
Cross-sectional study design.  
Comments: NONE  
Contact: Dr. E. R. Welbourne  
Vehicle Systems  
Road and Motor Vehicle Traffic Safety,  
Ottawa Ontario  
Canada K1A ON 5

Study Number: CAN-181  
Title: 1979 Canadian Three Airport General Aviation Study  
Date: 1979 (July)  
Major Source: Aircraft
CATALOG (Continued)

Location: Canada: Three general aviation airports: Oshawa, Buttonville, Maple
Sample Size: 30
Noise Level: Available (continuous)
Reports: Taylor, Birnie and Hall, 1980
Methods: Residents of area interviewed. Some people had previously been interviewed in 1978 (CAN-168). Three study methods were used; in-depth interviews, diary, and field experiment.
Comments: A major study objective was to study the feasibility of the three methods.
Contact: Dr. Fred L. Hall
Dept. of Geography
McMaster University
1280 Main Street West
Hamilton, Ontario L8S 4K1
Canada

Study Number: CZE-109
Title: Bratislava Traffic Noise Survey
Date: 1974 Publication (Date of survey not known)
Major Source: Road
Location: Czechoslovakia: 12 streets in Bratislava
Sample Size: The survey was carried out for 340 apartments
Noise Level: (Availability of noise data not determined)
Reports: Radulov, 1974
Methods: Residents of area interviewed.
Comments: NONE
Contact: Mr. Radulov
Research Institute of Hygiene
Bratislava
Czechoslovakia

Study Number: DEN-075
Title: 1972 Copenhagen Traffic Noise Survey
Date: 1972
Major Source: Road traffic
Location: Denmark: Copenhagen
Sample Size: 960
Noise Level: Available
Reports: Relster, 1975
Kragh, 1977
Comments: The study was designed to test the effect of housing
type (apartments vs. other types) on response to traffic noise. This study was cited in the list of surveys used by Wyle, 1977 (A65), and Schultz, 1978.

Contact: Dr. Else ReIster
Danish Labour Inspectorate
Dept. of Safety and Health
Bosenvaengets Alle 16-18
DK-2100 Copenhagen O.
Denmark

Study Number: DEN-200
Title: 1979 Danish Railway Noise Survey
Date: 1979 (August-September)
Major Source: Railway
Location: Denmark:
Sample Size: 615
Noise Level: Available (continuous)
Reports: Andersen et al., 1980
Kuhl, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Mr. Tage V. Andersen
Miljostyrelsen
Miljossministeriet
Strandgade 29
1401 Kobenhavn K
Denmark

Study Number: FRA-016
Title: 1965 Four French Airport Noise Study
Date: 1965 (November) to 1966 (April)
Major Source: Aircraft
Location: France: Four airports; Le Bourget (Paris), Orly (Paris), Marseilles, Lyon
Sample Size: Approximately 2000
Noise Level: Available (continuous)
Reports: Josse, 1969
Alexandre, 1970
CSTB, 1968
Assoc. d'Anthropologie Applique's, 1967
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used
CATALOG (Continued)

by Wyle, 1977 (A33), and Schultz, 1978.

Contact: Dr. A. Alexandre
Head of Special Studies Section
Urban Environment Division
Organization for Economic Cooperation and Development
2 Rue Andre-Pascal
75775 Paris Cedex 16
France

Study Number: FRA-017
Title: 1965 Regional French Sonic Boom Survey
Date: 1965
Major Source: Sonic booms from aircraft
Location: France: both Eastern and Southwestern regions of France
Sample Size: 2296
Noise Level: Not available
Reports: de Brisson, 1966
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Some people who had complained about sonic booms
were especially selected for the study.
Contact: Mr. A. de Brisson
Centre d'Etudes et d'Instruction Psychologiques de
l'Armee de l'Air
Base Aerienne 272
78210 Saint Cyr L'Ecole
France

Study Number: FRA-019
Title: 1965 Paris Expressway Noise Survey
Date: 1965
Major Source: Expressway
Location: France: Paris area
Sample Size: 420 (370 were used in the analysis)
Noise Level: Available (continuous)
Reports: Lamure and Bacelon, 1967
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used
by Wyle, 1977 (A35), and Schultz, 1978.
Contact: Dr. C. Lamure
Institute de Recherche des Transports
109 Avenue Salvador Allende
B.P. 75
### Study Number: FRA-041
- **Title:** 1969 Paris Road Traffic Noise Study
- **Date:** 1969
- **Major Source:** Road traffic
- **Location:** France: Paris area
- **Sample Size:** 700
- **Noise Level:** Available for 500 interviews
- **Reports:** Aubree, Auzou, Rapin, 1971
- **Methods:** Fixed format questionnaire.
- **Comments:** Residents of area interviewed.
- **Contact:** Dr. M. Aubree
  - Centre Scientifique et Technique du Batiment
  - Establissement de Nantes
  - 11 Rue Henri Picherit
  - 44300 Nantes
  - France

### Study Number: FRA-045
- **Title:** 1970 French Sonic Boom Survey
- **Date:** 1970 (November 11 to 16)
- **Major Source:** Sonic booms from aircraft
- **Location:** France
- **Sample Size:** 2848 main study interviews, also 283 complainants
- **Noise Level:** Not available, but frequency of booms is known
- **Reports:** Bremond, 1974
- **Methods:** Fixed format questionnaire.
- **Comments:** An additional sample of 283 complainants was interviewed
- **Contact:** Dr. J. Bremond
  - Centre d'Etudes et de Recherches Psychologiques Air
  - Base Aerienne 272
  - 78210 Saint Cyr L'Ecole
  - France

### Study Number: FRA-056
- **Title:** 1971 Orly Aircraft Noise Survey
- **Date:** 1971 (April 18-May 17 for main study).
CATALOG (Continued)

Major Source: Aircraft
Location: France: Orly airport (Paris)
Sample Size: 4998 in main study. In-depth interviews were conducted with 39 respondents
Noise Level: Available (5 dB steps)
Reports: Francois, 1979
Francois and Roche, 1973
Francois, 1975c
Francois, 1972
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The in-depth interviews are reported on in some detail in one publication (Francois, 1972).
Contact: Dr. Jacques Francois
L'Institut Francais d'Opinion Publique
20 Rue d'Aumale
75441 Paris 9E
France

Study Number: FRA-063
Title: 1972 Paris Area Railway Noise Survey
Date: 1972 (April)
Major Source: Railway
Location: France: Paris area
Sample Size: 350
Noise Level: Available (continuous)
Reports: Aubree, 1973
Aubree, 1975
Gilbert, 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (this single study is referenced as both A3 and A4), and Schultz, 1978.
Contact: Dr. M. Aubree
Centre Scientifique et Technique du Batiment
Establissement de Nantes
11 rue Henri Picherit
44300 Nantes
France

Study Number: FRA-087
Title: 1973 St. Cyr L'Ecole General Aviation Noise Survey
Date: 1973 (October)
CATALOG (Continued)

Major Source: Aircraft  general aviation
Location: France: Six areas around St. Cyr L'Ecole airport
Sample Size: 401
Noise Level: Available (continuous)
Reports: Francois, 1975a
Methods: Fixed format questionnaire.
Cross-sectional study design.
Comments: Designed for comparison to the 1971 Orly Study (FRA-056).
Contact: Dr. Jacques Francois
L'Institut Francais d'Opinion Publique
20 Rue d'Aumale
75441 Paris 9E
France

Study Number: FRA-092
Title: 1973 French 10 City Traffic Noise Survey
Date: 1973 (September, October): 1974 (January): 1975 (September)
Major Source: Road traffic
Location: France: 10 cities
Sample Size: 1200
Noise Level: Available (continuous)
Reports: Vallet et al., 1978
Aspects de la...., 1976
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
After the first set of interviews (in 1973 for 9 sites and January, 1974 for Lyon Villeun banne) two of the sites (Nimes and Bourg) were revisited for 200 additional interviews (Sept. 1975). Interviews were not necessarily carried out with the same people.
Comments: NONE
Contact: Dr. M. Vallet
Institute de Recherche des Transports
109 Avenue Salvador Allende
B.P.75
69672 Bron Cedex
France

Study Number: FRA-098
Title: 1974-75 Roissy Airport Before-After Opening Noise Survey
Date: 1974, 1975
Major Source: Aircraft
Location: France: Charles de Gaulle airport (Roissy area near Paris)
Sample Size: 1174 interviews from 690 respondents
Noise Level: Available
Reports: Francois, 1979
Francois, 1977
Francois, 1975b

Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
Repeated interviews before and after opening Charles de Gaulle airport with 484 people.

Comments: The study was especially designed for comparison to 1975 Orly and 1974 French National Aircraft survey. Information is available on people leaving the area in first year of the airport's operation. This study was cited in the list of surveys used by Wyle, 1977 (A26).

Contact: Dr. Jacques Francois
L'Institut Francais d'Opinion Publique
20 Rue d'Aumale
75441 Paris 9E
France

Study Number: FRA-099
Title: 1974 French National Aircraft Noise Survey
Date: 1974
Major Source: Aircraft
Location: France: Probability sample of France
Sample Size: 1000
Noise Level: Not available

Reports: Francois, 1975b
Francois, 1980

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: This study was especially designed to compare to the 1975 Orly and 1974-75 Roissy studies.
This study was cited in the list of surveys used by Wyle, 1977 (A26).

Contact: Dr. Jacques Francois
L'Institut Francais d'Opinion Publique
20 Rue d'Aumale
75441 Paris 9E
France

Study Number: FRA-113
Title: 1975 Orly Airport Noise Study
Date: 1975
Major Source: Aircraft
Location: France: Orly Airport (Paris)
Sample Size: 997
Noise Level: Available
CATALOG (Continued)

Reports: Francois, 1979
Francois, 1977b
Francois, 1980
Francois, 1977c
Francois, 1975b

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: The study was especially designed for comparison to 1974
French National Aircraft Noise Survey (FRA-099) and
the Roissy Airport before-after Opening Noise Survey
(FRA-098).
This study was cited in the list of surveys used by
Wyle, 1977 (A26).

Contact: Dr. Jacques Francois
L'Institut Francois d'Opinion Publique
20 Rue d'Aumale
75441 Paris 9E
France

Study Number: FRA-124
Title: 1975-76 l'Hay les Roses Barrier Survey
Date: 1975-76 (October)
Major Source: Motorway
Location: France: at l'Hay les Roses (South of Paris)
Sample Size: 700
Noise Level: Available (continuous)

Reports: Vallet, et al., 1979
Vallet, et al., 1977

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: People were interviewed 6 months after the barrier
was built about their evaluation of the noise before
and after the barrier was built.

Contact: Dr. Michel Vallet
Institute de Recherche des Transports
109 Avenue Salvador Allende
B.P. 75
69672 Bron Cedex
France

Study Number: FRA-131
Title: 1976 Orly Medical Effects Study
Date: 1976 (June)
Major Source: Aircraft
CATALOG (Continued)

Location: France: One high noise area around Orly and two comparative samples from low noise areas
Sample Size: 150
Noise Level: Not available
Reports: Francois, 1977a
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
The standard interview is supplemented by a self-administered questionnaire and by a medical examination.
Comments: The study examined the possibility that some of the variation in attitudes could be related to physical characteristics of respondents.
Contact: Dr. Jacques Francois
L'Institut Francais d'Opinion Publique
20 Rue d'Aumale
75441 Paris 9E
France

Study Number: FRA-146
Title: 1977 French Light Aircraft Study
Date: 1977 (May-June)
Major Source: Light aircraft
Location: France: Four Paris-area airports; Chavenay, Guyancourt, St-Cyr-l Ecole, Chelles-le-Pin
Sample Size: 800
Noise Level: Available
Reports: La Gene Causee...., 1978
Bremond, 1979
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. J. Bremond
Centre d Etudes et de Reserches Psychologiques Air Base Aerienne 272
78210 Saint Cyr L Ecole
France

Study Number: FRA-150
Title: 1977 Roissy Airport Survey
Date: 1977
Major Source: Aircraft
Location: France: Roissy
Sample Size: 943
Noise Level: Available (4 dB steps used in the analysis)
Reports: Francois, 1979a
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
Of the 943 respondents, 218 had also been interviewed in 1974 and 1975.
Comments: Designed for comparison to the earlier Roissy study study (FRA-098).
Contact: Dr. J. Francois
L'Institut Francais d'Opinion Publique
75441 Paris 9E
France

Study Number: FRA-189
Title: 1971 French Concorde Sonic Boom Study
Date: 1971 (May)
Major Source: Aircraft
Location: France: Three areas which had been included in an earlier sonic boom study (FRA-045).
Sample Size: 1202
Noise Level: Numbers of sonic booms and the relationship to the Concorde flight path is known.
Reports: Bremond, 1971
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: A double blind technique was used in which neither interviewees of respondents knew that Concorde had flown three times in the previous week.
Contact: Dr. J. Bremond
Centre d'Etudes et de Recherches PsychologiquesAir Base Aerienne 272
78210 Saint Cyr L'Ecole
France

Study Number: FRA-197
Title: 1979 French Behavioral Effects of Road Noise Study
Date: 1979
Major Source: Road Traffic
Location: France: 15 areas in Lyon and Marseille
Sample Size: 1486
Noise Level: Available (continuous)
Reports: Lambert and Simonnet, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
CATALOG (Continued)

Face-to-face interviews.
Cross-sectional study design.

Comments: The study measured behavioral reactions to noise. In depth interviews were carried out in five of the sites after the main survey.

Contact: Mr. Jacques Lambert
Institute de Recherche des Transports
109 Avenue Salvador Allende
B.P. 75
69672 Bron Cedex
France

Study Number: GER-034
Title: 1969 Munich Airport Noise (DFG Aircraft Noise Study)
Date: 1969 (February - June)
Major Source: Aircraft
Location: Federal Republic of Germany: Munich Airport
Sample Size: 660 main social survey interviews (also 115 repeated interviews, 152 migrants interviewed)
Noise Level: Available (continuous)
Reports: Rohrmann et al. 1973
Finke et al., 1975
Finke, and Martin, 1974
Deutsche Forschungsgemeinschaft, 1974
Martin, et al., 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This survey was one part of a multidisciplinary study. In addition to 660 main interviews, 152 migrants were interviewed, 115 retests were performed, 375 people had special psychological and physiological tests, and 392 had medical tests.
This study was cited in the list of surveys used by Wyle, 1977 (A24), and Schultz, 1978.

Contact: Dr. B. Rohrmann
Sonderforschungsbereich 24 (TP-8)
Sozialwissenschaftliche Entscheidungsforschung
Universitat Mannheim
L13,17
D-6800 Mannheim
Federal Republic of Germany

Study Number: GER-037
Title: 1969 Meppen Sonic Boom Field Experiment
Date: 1969, (September)
Major Source: Supersonic Aircraft
CATALOG (Continued)

Location: West Germany; Meppen
Sample Size: 39
Noise Level: Available (continuous)
Reports: May, 1972
May, 1971a
May, 1971b
Methods: Fixed format questionnaire.
Cross-sectional study design.
Comments: People rated every sonic boom which they heard as
they went about their normal activities.
Contact: Dr. Daryl May
Wyle Research
128 Maryland St.
El Segundo, Calif. 90245

Study Number: GER-114
Title: 1975 German General Aviation Survey
Date: 1975 (April)
Major Source: Aircraft
Location: Federal Republic of Germany: Four airports; Egelsbach,
Bonn-Hangelar, Karlsruhe-Forcheim, Braunschweig
Sample Size: 398
Noise Level: Not available
Reports: Rohrmann, 1976
Rohrmann, 1975
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. B. Rohrmann
Sonderforschungsbereich 24 (TP 8)
Sozialwissenschaftliche Entscheidungsforschung
Universitat Mannheim
L13, 17
D-6800 Mannheim
Federal Republic of Germany

Study Number: GER-134
Title: 1976 Hamburg Urban Noise Survey
Date: 1976
Major Source: Road, Railway, Industrial, Aircraft, Construction
Location: Federal Republic of Germany: Hamburg
Sample Size: 643
Noise Level: Available (continuous)
Reports: Rohrmann, Finke, and Guski, 1980
Finke, Guski, and Rohrmann, 1980
Methods: Fixed format questionnaire.
CATALOG (Continued)

Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: This is part of an interdisciplinary study which included several other data collection techniques.

Contact: Dr. B. Rohrmann
Sonderforschungsbereich 24 (TP 8)
Sozialwissenschaftliche Entscheidungsforschung
Universität Mannheim
L13, 17
D6800 Mannheim 1
Federal Republic of Germany

Study Number: GER-135
Title: 1976 Stuttgart Railway and Road Noise Survey
Date: 1976 (Summer)
Major Source: Railways, Road traffic
Location: Federal Republic of Germany: Stuttgart
Sample Size: 1125
Noise Level: Available (continuous)
Reports: Heimerl and Holzmann, 1978
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: NONE
Contact: Dr. E. Holzmann
Dorsch Consult
Elsenheimerstr 63
8000 Munchen 21
Federal Republic of Germany

Study Number: GER-164
Title: Dusseldorf Traffic Noise Survey
Date: 1977 Publication (Date of survey not known)
Major Source: Road traffic
Location: Federal Republic of Germany: Dusseldorf (8 streets)
Sample Size: 274
Noise Level: Available (continuous)
Reports: Buchta and Kastka, 1977a
Kastka and Buchta, 1977
Buchta and Kastka, 1977b
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: NONE
Contact: Dr. J. Kastka
CATALOG (Continued)
Institute of Hygiene
University of Dusseldorf
Gurrlistrasse
Dusseldorf
Federal Republic of Germany

Study Number: GER-192
Title: 1977-78 German Road/Railway Noise Comparison Study
Date: 1977-1978 (Winter, 1977 to Summer 1978)
Major Source: Road traffic, Railway
Location: Federal Republic of Germany: 14 areas
Sample Size: 1080
Noise Level: Available (continuous)
Reports: Interdisziplinare..., 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Viet Knall
Planungsbora Obermeyer
Hansastrasse 40
8000 Munchen 21
Federal Republic of Germany

Study Number: HKG-125
Title: 1975 Hong Kong Fireman Environmental Noise Survey
Date: 1975 (April to October)
Major Source: Aircraft traffic
Location: Hong Kong: 12 fire stations near Kaitak airport
Sample Size: 552
Noise Level: Available (continuous) for fire stations
Reports: Ko, et al., 1976
Ko, 1975
Ko, et al., 1977
Methods: Fixed format questionnaire.
Cross-sectional study design.
Comments: Firemen were given a questionnaire to fill out while
the researcher was present. Reactions to both home
and fire station environment were obtained but noise
measures are only available at the fire station.
Firemen live at the station on alternate days.
Contact: Mr. Norman Ko
Department of Mechanical Engineering
University of Hong Kong
Hong Kong

29
Study Number: HKG-187
Title: Hong Kong Socio-Economic Area Road Traffic Survey
Date: 1980 Publication (Date of survey not determined)
Major Source: Road Traffic
Location: Hong Kong: Two neighborhoods
Sample Size: 180
Noise Level: Available (continuous)
Reports: Ko and Wong, 1980
Methods: Fixed format questionnaire.
Resident of area interviewed.
Face-to-face interview.
Cross-sectional study design.
Comments: NONE
Contact: Dr. N.W.M. Ko
Dept. of Mechanical Engineering
University of Hong Kong
China

Study Number: JPN-005
Title: 1953 Osaka Industrial Noise Survey
Date: 1953
Major Source: Industrial noise when at home
Location: Japan: Osaka and Amagasaki
Sample Size: 136
Noise Level: Available
Reports: Osada, 1971
Shoji, et al., 1953
Yamamoto, et al., 1970
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interview.
Cross-sectional study design.
Comments: Housewives were interviewed.
Contact: Prof. Otoichi Kitamura
Kyushu Institute of Design
226 Shiobara
Minamiku, Fukuoka
Japan

Study Number: JPN-018
Title: 1965 Osaka Aircraft Noise Survey
Date: 1965
Major Source: Aircraft
Location: Japan: around Osaka airport at 27 sites
Sample Size: 2700
Noise Level: Available (continuous)
Reports: Osada, 1971
Kansai, et al., 1965
CATALOG (Continued)

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Primarily a survey of housewives.
Contact: Dr. Yasutaka Osada
Chief, Dept. Physiological Hygiene
The Institute of Public Health
6-1, Shirokanedai 4 Chome, Minato-Ku
Tokyo 108
Japan

Study Number: JPN-046
Title: 1970 Yokota Airbase Study
Date: 1970 (July)
Major Source: Aircraft
Location: Japan: Yokota airbase
Sample Size: 991 interviews (from 1000 households)
Noise Level: Available (5 NNI steps)
Reports: Osada 1971
Tokyoto Kogai Kenkyujo, 1971
Kodama, 1971
Tokyoto Kogai Kenkyujo, 1972
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Housewives were interviewed.
Contact: Dr. Yasutaka Osada
Chief, Dept. Physiological Hygiene
The Institute of Public Health
6-1, Shirokanedai 4 Chome, Minato-Ku
Tokyo 108
Japan

Study Number: JPN-062
Title: 1972 Akishima City Aircraft Noise Survey
Date: 1972 (September)
Major Source: Aircraft
Location: Japan: Ten areas in Akishima City near Yokota air base
Sample Size: Approximately 1000
Noise Level: Available (continuous)
Reports: Hayashi, Kondo, and Kodama, 1978
Kondo, Hayashi, and Kodama, 1978
Kondo, Hayashi, and Kodama, 1975
Hayashi, Hayashi, Kodama, and Kondo, 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
CATALOG (Continued)

Face-to-face interviews.
Cross-sectional study design.
Comments: Only housewives were interviewed.
Contact: Dr. Chikio Hayashi
The National Institute of Statistical Mathematics
4-6-7 Minami-Azabu
Minato-Ku
Tokyo
Japan

Study Number: JPN-064
Title: 1972 Environmental Agency of Japan Shinkansen Noise Survey
Date: 1972 (November)
Major Source: High speed Railway
Location: Japan: The New Tokaido Shinkansen line
Sample Size: 424
Noise Level: Available
Reports: Kumagai, et al., 1975
An Investigation..., 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Schultz, 1978.
Contact: UNKNOWN

Study Number: JPN-065
Title: 1972 New Tokaido and New Sanyo Shinkansen Railway Noise
Date: 1972 (July)
Major Source: High speed railway
Location: Japan: The New Tokaido and New Sanyo Shinkansen routes
Sample Size: 424
Noise Level: Available (continuous)
Reports: Nimura, Sone and Kono, 1973
Nimura et al., 1975
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The study compares reactions to a newly opened route (4 months old) and a more established route (8 years old).
Contact: Dr. Tadomoto Nimura
Department of Electrical Engineering
Tohoku University
Aobayama Sendai 980
Japan
Study Number: JPN-094
  Title: 1973-1974 Sendai Road Traffic Noise Survey
  Date: 1973-1974
  Major Source: Road traffic
  Location: Japan: Sendai City
  Sample Size: 939
  Noise Level: Available
  Reports: Shibuya et al., 1975
  Methods: Fixed format questionnaire.
           Residents of area interviewed.
           Face-to-face interviews.
           Cross-sectional study design.
  Comments: This study was cited in the list of surveys used by Wyle, 1977 (A49).
  Contact: Dr. Toshio Sone
           Dept. of Electrical Engineering
           Tohoku University
           Sendai
           Japan

Study Number: JPN-101
  Title: 1974 Sendai City Regular Railway Noise Survey
  Date: 1974
  Major Source: Railway noise
  Location: Japan: Sendai City
  Sample Size: 717
  Noise Level: Available (5 dB steps)
  Reports: Kumagai et al., 1975
  Methods: Fixed format questionnaire.
           Residents of area interviewed.
           Face-to-face interviews.
           Cross-sectional study design.
  Comments: NONE
  Contact: Dr. Toshio Sone
           Dept. of Electrical Engineering
           Tohoku University
           Sendai
           Japan

Study Number: JPN-123
  Title: 1975 Yokohama Road and Rail Noise Survey
  Date: 1975 (October to December)
  Major Source: Railway and Road traffic
  Location: Japan: Yokohama
  Sample Size: 356 (1975)
  Noise Level: Available (5 dB steps)
  Reports: Tamura and Gotho, 1977
           Tamura, 1978
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: Another survey was carried out in this area in 1976.

Contact: Dr. Akihiro Tamura
Dept. of Architecture & Building Science
Faculty of Engineering
Yokohama National University
Yokohama
Japan

Study Number: JPN-138
Title: 1976 Kanagawa Ward Community Noise Survey
Date: 1976 (October, November)
Major Source: Community
Location: Japan: Kanagawa Ward in Yokohama
Sample Size: 427
Noise Level: Not available in English
Reports: Tamura and Gotho, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: NONE
Contact: Dr. Akihiro Tamura
156 Tokiwadai
Hodogoya-Ku
Yokohama
Japan

Study Number: JPN-139
Title: 1976 Japanese Rail and Road Noise Study
Date: 1976 (December)
Major Source: Road traffic, Railway
Location: Japan
Sample Size: 372
Noise Level: Not available in English publication
Reports: Tamura and Gotho, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: NONE
Contact: Dr. Akihiro Tamura
156 Tokiwadai
Hodogoya-Ku
Yokohama
Japan
CATALOG (Continued)

Japan

Study Number: JPN-140
Title: 1977 Camp Fuji Noise Survey
Date: 1977 (October, November)
Major Source: Road traffic, Community, Artillery
Location: Japan: Area around Camp Fuji
Sample Size: 342
Noise Level: Not available in English publication
Reports: Tamura and Gotho, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Akihiro Tamura
156 Tokiwadai
Hodogoya-Ku
Yokohama
Japan

Study Number: JPN-152
Title: 1977 Atugi Military Aircraft Noise Study
Date: 1977 (November-December)
Major Source: Aircraft
Location: Japan: Residential areas surrounding Atugi Base
Sample Size: 345
Noise Level: Not available in English publication
Reports: Tamura and Gotho, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr Akihiro Tamura
156 Tokiwadai
Hodogoya-Ku
Yokohama
Japan

Study Number: JPN-163
Title: 1972 Itami City Osaka Aircraft Noise Study
Date: 1972 (November, 1972-January, 1973)
Major Source: Aircraft
Location: Japan: Osaka Airport
Sample Size: 1209
Noise Level: Available (5 dB steps)
CATALOG (Continued)

Reports: Report on the Effects..., 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Yasutaka Osada
Chief, Dept. Physiological Hygiene
The Institute of Public Health
6-1, Shirokanedai 4 Chome, Minato-Ku
Tokyo 108
Japan

Study Number: JPN-177
Title: 1978 Kanagawa Ward Community Noise Survey
Date: 1978 (October, November)
Major Source: Community
Location: Japan: Kanagawa Ward of Yokohama
Sample Size: 387
Noise Level: Not available in English publication
Reports: Tamura and Gotho, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Akihiro Tamura
156 Tokiwadai
Hodogoya-Ku
Yokohama
Japan

Study Number: JPN-190
Title: 1956 Kyoto Traffic Noise Survey
Date: 1956
Major Source: Road Traffic
Location: Japan: Kyoto
Sample Size: 956
Noise Level: Available
Reports: Osada, 1971
Aoki, 1959
Methods: Fixed format questionnaire.
Cross-sectional study design.
Residents of area interviewed.
Questionnaires were left at households and later collected.
Comments: NONE
Contact: Dr. Yasutaka Osada
Chief, Dept. of Physiological Hygiene
CATALOG (Continued)

The Institute of Public Health
6-1, Shirokanedai 4 Chome, Minato-Ku
Tokyo 108
Japan

Study Number: NET-002
Title: 1950 Netherlands Effects of Sound Insulation Study
Date: 1950 (April-July)
Major Source: Neighbors in apartment buildings
Location: Netherlands: Rotterdam, The Hague
Sample Size: Approximately 1215
Noise Level: Sound insulation of dwellings is available
Reports: Bitter and Horch, 1958
        Bitter and van Weeren, 1955
        Van den Eijk, et al., 1956
Methods: Fixed format questionnaire.
          Residents of area interviewed.
          Face-to-face interviews.
          Cross-sectional study design.
Comments: NONE
Contact: Dr. R.G. de Jong
        TNO
        Schoemakerstraat 97
        WIJK8
        2628 VK Delft
        Netherlands

Study Number: NET-013
Title: 1963 Schiphol Airport Survey
Date: 1963 (August, September)
Major Source: Aircraft
Location: Netherlands: Eight areas around Schiphol airport
Sample Size: 1000
Noise Level: Available (continuous)
Reports: Kosten, et al., 1967
        Bitter, 1970
        Bitter and Schwager, 1964
        Bitter, 1972
Methods: Fixed format questionnaire.
          Residents of area interviewed.
          Face-to-face interviews.
          Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A10).
Contact: Dr. R.G. de Jong
        TNO
        Schoemakerstraat 97
        WIJK8
CATALOG (Continued)

2628 VK Delft
Netherlands

Study Number: NET-106
Title: 1974 Dordrecht Home Sound Insulation Study
Date: 1974 (April), and 1976 (April)
Major Source: Highway Traffic
Location: Netherlands: Dordrecht, alongside Highway 16
Sample Size: 383 (before barrier), and 376 (after barrier)
Noise Level: Available
Reports: Bitter, Kaper, and Pinkse, 1978
Methods: Fixed format questionnaire.
        Face-to-face interviews.
        Residents of area interviewed.
        Before-after study design (not all people were
        interviewed in both phases).
Comments: Results of the comparative study of two sound
        insulation situations: One before the noise abatement
        measures were started, the second, two years after several
        different types of noise insulation measures had been
        installed in the homes.
Contact: Dr. R.G. de Jong
        TNO
        Schoemakerstraat 97
        Wijk8
        2628 VK Delft
        Netherlands

Study Number: NET-115
Title: 1975 Schiphol and Marssum Aircraft Noise Insulation Survey
Date: 1975 (September)
Major Source: Aircraft
Location: Netherlands: Five areas around Schiphol and one, (Marssum),
        near Leeuwarden Military Airfield
Sample Size: 434 (Schiphol=376, Marssum=58)
Noise Level: Available (5 dB steps)
Reports: Willigers, 1979
        Lingen and Voorn, 1979
        Bitter, 1980
        Bitter and Willigers, 1979
Methods: Fixed format questionnaire.
        Residents of area interviewed.
        Face-to-face interviews.
        This was the before phase of a sound insulation before-
        after study design.
Comments: The study was designed for comparison to the earlier
        1963 Schiphol survey (NET-013) as well as a later 1977
        survey (NET-149). The 1977 survey was conducted after
sound insulation had been installed in houses. Leeuwarden is a military airfield.

Contact: Dr. R.G. de Jong
TNO
Schoemakerstraat 97
Wijk8
2628 VK Delft
Netherlands

Study Number: NET-149
Title: 1977 Schiphol and Marssum Sound Insulation Survey
Date: 1977 (September)
Major Source: Aircraft
Location: Netherlands: Five areas around Schiphol and one, (Marssum) around Leeuwarden Military Airfield
Sample Size: 353 (Schiphol=304, Marssum=49)
Noise Level: Available
Reports: Bitter and Willigers, 1979
Willigers, 1979
Lingen and Voorn, 1979
Bitter, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Interviews were carried out after sound insulation had been installed in the same areas as a 1975 study (NET-115).
Contact: Dr. R.G. de Jong
TNO
Schoemakerstraat 97
Wijk8
2628 VK Delft
Netherlands

Study Number: NET-153
Title: 1977 Dutch Railway Noise Survey
Date: 1977 (October)
Major Source: Railway
Location: Netherlands: Nine locations
Sample Size: 671
Noise Level: Available (continuous)
Reports: DeJong, 1979
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Inside noise measurements were made as well as outside measurements.
CATALOG (Continued)

Contact: Dr. Ronald G. de Jong
TNO Research Institute for Environmental Hygiene
Schoemakerstraat 97
WIJK8
2628 VK Delft
Netherlands

Study Number: NET-193
Title: 1976 Netherlands Military Airfield Noise Study
Date: 1976 (August, September)
Major Source: Aircraft
Location: Netherlands: Areas near three military airfields
Sample Size: 867
Noise Level: Available (continuous)
Reports: de Jong and Beers, 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study is designed for comparison to three other studies, Schiphol, 1963, (NET-013); Schiphol/Marssum, 1975 NET-115; and Schiphol/Marssum 1977, NET-149.
Contact: Dr. R.G. de Jong
IMG-TNO
Schoemakerstraat 97
WIJK 8
2628 VK Delft
Netherlands

Study Number: NET-194
Title: 1976 Netherlands Railway Noise Survey
Date: 1976 (October)
Major Source: Railway
Location: 9 locations (5 near railways, 2 near tramways, and 2 near metro-tramways)
Sample Size: 65 (45 near railways, 10 near tramways, 10 near metro-tramways)
Noise Level: Continuous
Reports: de Jong, 1977
Methods: Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. R.G. de Jong
IMG-TNO
Schoemakerstraat 97
WIJK 8
2628 VK Delft
CATALOG (Continued)

Netherlands

Study Number: NET-195
Title: 1977-78 Netherlands New Railway Line Survey
Date: 1977 (March, September), 1978 (September)
Major Source: Railway
Location: Netherlands: Zoetermeer
Sample Size: 425 (before railway opened), 299 (4 months after opened), 221 (16 months after opened).
Noise Level: Available (5 dB steps)
Reports: van Dongen, 1980b
Methods: Longitudinal study design
Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Comments: NONE
Contact: Dr. J.E.F. van Dongen
IMG-TNO
Schoemakerstraat 97
WIJK 8
2628 VK Delft
Netherlands

Study Number: NET-196
Title: 1978 Dutch Homes for the Aged Environmental Noise Study
Date: 1978 (September)
Major Source: Road Traffic, Airports, Railways, Industry
Location: Netherlands: 57 locations (37 locations near roads, 20 locations near airports, or near industries, or near railway tracks)
Sample Size: 345 (228 road traffic, 117 other sources)
Noise Level: Available (5 dB steps)
Reports: van Dongen, 1980a
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: People living in homes for the aged were interviewed.
Contact: Dr. J.E.F. van Dongen
IMG-TNO
Schoemakerstraat 97
WIJK 8
2628 VK Delft
Netherlands

Study Number: POL-184
Title: Polish Railway Noise Survey
Date: 1979 Publication (Date of survey not determined)
CATALOG (Continued)

Major Source: Railway
Location: Poland
Sample Size: 837
Noise Level: Available (continuous)
Reports: Koszarny, et al., 1979
Koszarny, et al., 1980
Methods: Residents of area interviewed.
Fixed format questionnaire.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Zbigniew Koszarny
Panstwowy Zaklad Higieny
Instytut Neokowa-Basawczy
ul. Chocimska 24
00-791 Warszawa
0288461
Poland

Study Number: POL-198
Title: 1974 Warsaw Aircraft Noise Survey
Date: 1974-75, Winter of 1974-75, 1975 (Publication date)
Major Source: Aircraft
Location: Poland: Warszawa-Okecie Airport
Sample Size: 511
Noise Level: Available (two groups 80-90 dB(A), 100-110 dB(A)
Reports: Koszarny and Maziarka, 1975
Koszarny, Maziarka and Szata, 1976
Methods: Residents of area interviewed.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Zbigniew Koszarny
Panstwowy Zaklad Higieny
Instytut Neokowa-Basawczy
ul. Chocimska 24
00-791 Warszawa
0288461
Poland

Study Number: PUR-188
Title: San Juan Community Noise Survey
Date: 1970's (Year of survey not determined)
Major Source: Community
Location: Puerto Rico: San Juan
Sample Size: 642
Noise Level: Not available
Reports: Snyder, (no date)
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: This study was cited in the list of surveys used by Wyle, 1977 (A50).

Contact: Dr. C.R. Bragdon
Dept. of City Planning
Georgia Institute of Technology
Atlanta, Georgia 30322

Study Number: SAF-028
Title: 1968 South Africa Preliminary Aircraft Noise Survey
Date: 1968 (April)
Major Source: Aircraft
Location: South Africa: Jan Smuts airport
Sample Size: 120
Noise Level: Available (5 unit steps of NI)
Reports: van Niekerk and Muller, 1969
Mauer, 1968
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: NONE
Contact: Dr. C.G. van Niekerk
Council for Scientific and Industrial Research
National Institute for Aeronautics & Systems Technology
P.O. Box 395
Pretoria 0001
South Africa

Study Number: SWE-011
Title: 1963 Linkoping Airport Noise Study
Date: 1963: 1964
Major Source: Aircraft noise
Location: Sweden: Linkoping Airfield
Sample Size: 448 interviews from 272 respondents
Noise Level: Not available
Reports: Jonsson et al., 1975
Berlin and Jonsson, 1964
Cederlof, Jonsson and Sorenson, 1967
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
The area was later resurveyed as the Linkoping I site in the Scandinavian nine airport survey (SWE-035). In 1964, 176 people were resurveyed as part of an experiment on changing people's attitudes toward noise.
Comments: The study included an experiment in attitude change.
CATALOG (Continued)

Contact: Dr. Stephen Sorensen
Dept. of Environmental Hygiene
National Environmental Protection Board S-104-01
Stockholm, 60
Sweden

Study Number: SWE-015
Title: 1964-1970 Karlstad Artillery Range Noise Study
Date: 1964-1970
Major Source: Artillery firing
Location: Sweden: Karlstad
Sample Size: 427
Noise Level: Not available
Reports: Jonsson et al., 1975
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
The study was repeated in the same area. In 1964 there were 334 interviews. In 1970 there were 93 interviews.
Comments: NONE
Contact: Dr. Stephen Sorensen
Dept. of Environmental Hygiene
National Environmental Protection Board S-104-01
Stockholm, 60
Sweden

Study Number: SWE-021
Title: 1966 Stockholm and Gothenburg Traffic Study
Date: 1966-1967
Major Source: Road traffic
Location: Sweden: Stockholm, Gothenburg
Sample Size: 443
Noise Level: Available
Reports: Fog and Jonsson, 1968
Kajland, 1970
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Stephen Sorensen
Dept. of Environmental Hygiene
National Environmental Protection Board S-104-01
Stockholm, 60
Sweden
CATALOG (Continued)

Study Number: SWE-025
Title: 1967 Stockholm-Ferrara Comparative Traffic Noise Study
Date: 1967
Major Source: Road traffic
Location: Sweden and Italy: Stockholm (Sweden) Ferrara (Italy)
Sample Size: 366
Noise Level: Available (continuous)
Reports: Jonsson et al., 1969
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The surveys were especially designed for cross-national comparison.
Contact: Dr. Stephen Sorensen
Dept. of Environmental Hygiene
National Environmental Protection Board S-104-01
Stockholm, 60 Sweden

Study Number: SWE-026
Title: 1967 Huddinge New Motorway Study
Date: 1967, 1968
Major Source: Motorway
Location: Sweden: The Stockholm suburb of Huddinge
Sample Size: 144 interviews from 84 respondents
Noise Level: Available
Reports: Jonsson and Sorensen, 1973
Jonsson, et al., 1975
Methods: Fixed format questionnaire.
Face-to-face interviews. Residents of area interviewed.
The first interview with 84 people was made 6 months after a new motorway opened. The second interview with 60 of these people was one year later.
Comments: Some information was available on the out-migrants.
Contact: Dr. Stephen Sorensen
Dept. of Environmental Hygiene
National Environmental Protection Board S-104-01
Stockholm, 60 Sweden

Study Number: SWE-035
Title: Scandinavian Nine Airport Noise Study
Major Source: Aircraft
Location: Scandinavia: 38 Areas around 9 Airports in Sweden, Norway, and Denmark
CATALOG (Continued)

Sample Size: 3746
Noise Level: Available
Reports: Rylander, Sorensen, and Kajland, 1972
         Rylander and Sorensen, 1973
         Rylander, Bjorkman, and Ahrlin, 1980
Methods: Fixed format questionnaire.
         Residents of area interviewed.
         Face-to-face interviews.
         Cross-sectional study design.
Comments: The 1980 publication includes 846 interviews which
         were not included in the earlier reports. At least some
         aspects of the questionnaire were changed during the eight
         year study period.
         This study was cited in the list of surveys used by
Contact: Dr. Stephen Sorensen
         Department of Environmental Hygiene
         National Environmental Protection Board S-104-01
         Stockholm, 60
         Sweden

Study Number: SWE-054
Title: Trangslet Sweden Sonic Boom Study
Date: 1971 (June, July)
Major Source: Sonic booms from military aircraft
Location: Sweden: Trangslet
Sample Size: 391
Noise Level: Available for military population
Reports: Rylander, Sorensen and Berglund, 1972
Methods: Fixed format questionnaire.
         Cross-sectional study design.
         The 179 questionnaires filled out by soldiers were self-administered. The 212 civilian questionnaires came from a mail survey.
Comments: All booms occurred at night. Some of the military subjects indicated night-time disturbance by pushing buttons. There was also a "bed-indicator" which showed movements during sleep.
Contact: Dr. Stephen Sorensen
         Dept. of Environmental Hygiene
         National Environmental Protection Board S-104-01
         Stockholm, 60
         Sweden

Study Number: SWE-100
Title: Kungalv Noise Barrier Study
Date: 1972 and 1975
Major Source: Road traffic, Expressway
Location: Sweden: The Kungalv area of Goteborg
CATALOG (Continued)

Sample Size: 161 (83 in Phase I and 78 in Phase II)
Noise Level: Not available
Reports: Holmquist et al., 1975
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Interviews were carried out in 1972 before, and in
1975 after a barrier was erected.
Contact: Lanslakarorganisationen
Goteborg
Sweden

Study Number: SWE-108
Title: Burgsvik Sweden Sonic Boom Study
Date: 1972 (May, June)
Major Source: Aircraft sonic booms
Location: Sweden: Burgsvik on the island of Gotland
Sample Size: Approximately 346 interviews from approximately 200
people
Noise Level: Available
Reports: Rylander et al., 1974
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Main study initial interviews were staggered through the test
period. At the end of the period 146 people were reinterviewed.
Comments: This was part of a larger study with laboratory study
aspects.
Contact: Dr. Stephen Sorensen
Statens Miljomedicinska Laboratorium
Box 60208
S-104 01 Stockholm
Sweden

Study Number: SWE-142
Title: 1976 Stockholm, Visby, Gothenburg Traffic Noise Study
Date: 1976 (April, May)
Major Source: Road traffic
Location: Sweden: Stockholm, Visby, Gothenburg
Sample Size: 1377
Noise Level: Available
Reports: Rylander, Sorensen, Kajland, 1976
Rylander, Ahrlin, Bjorkman, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
CATALOG (Continued)

Comments: Gothenburg is not reported on in the 1976 publication This study was cited in the list of surveys used by Wyle, 1977 (A48).

Contact: Dr. Ragnar Rylander
Dept. of Environmental Hygiene
University of Gothenburg
Goteborg 33
Sweden

Study Number: SWE-165
Title: 1976 Gothenburg Tramway Noise Survey
Date: 1976 (April, May)
Major Source: Tramway and Road Traffic
Location: Sweden: Gothenburg (six areas)
Sample Size: 464
Noise Level: Available (continuous)
Reports: Rylander, et al., 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Ragnar Rylander
Dept. of Environmental Hygiene
University of Gothenburg
Goteborg 33
Sweden

Study Number: SWE-185
Title: 1975 Gothenburg Rifle Range Survey
Date: 1975 (April, May)
Major Source: Civilian rifle range
Location: Sweden: Gothenburg (9 sites in 4 areas)
Sample Size: 323
Noise Level: Available (continuous)
Reports: Sorensen and Magnusson, 1979
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Stephen Sorensen
Dept. of Environmental Hygiene
National Environmental Protection Board S-104-01
Stockholm, 60
Sweden
CATALOG (Continued)

Study Number: SWI-053
Title: 1971 Three City Swiss Noise Survey
Date: 1971-72
Major Source: Aircraft (all three cities): Road traffic (Basel)
Location: Switzerland: Zurich, Geneva and Basel
Sample Size: 3939
Noise Level: Available (continuous)
Reports: Grandjean, 1974
        Grandjean, et al. 1976
        Arbeitsgemeinschaft...1973
Methods: Fixed format questionnaire.
        Residents of area interviewed.
        Face-to-face interviews.
        Cross-sectional study design.
Comments: This study was cited in the list of surveys used
        by Wyle, 1977 (A29), and Schultz, 1978.
Contact: Dr. E. Grandjean
        Dept. of Hygiene and Applied Physiology
        Swiss Federal Institute of Technology
        ETH-Zentrum
        Clausiusstrasse 21
        CH-8092 Zurich
        Switzerland

Study Number: SWI-133
Title: 1976 Zurich Street Traffic Noise (Apartments) Survey
Date: 1976
Major Source: Street traffic
Location: Switzerland: Zurich
Sample Size: 800
Noise Level: Available
Reports: Wanner, Wehrli, Bakke, Nemecek, Turrian, Grandjean, 1977
        Wehrli and Nemecek, 1979
        Wehrli et al., 1976
        Bakke et al., 1977
Methods: Fixed format questionnaire.
        Residents of area interviewed.
        Face-to-face interviews.
        Cross-sectional study design.
Comments: Women were interviewed who lived in apartments
        built after 1962.
Contact: Dr. H.U. Wanner
        Dept. of Hygiene and Ergonomics
        Swiss Federal Institute of Technology
        8092 Zurich
        Switzerland
Study Number: SWI-158
Title: 1977 Zurich Pilot Traffic Noise Survey
Date: 1977
Major Source: Road traffic
Location: Switzerland: four areas within Zurich
Sample Size: 1297
Noise Level: Available (continuous)
Reports: Wanner Wehrli, Nemecek, Turrian, 1977
        Wehrli and Nemecek, 1979
        Bakke et al., 1977
        Wanner, Wehrli, Bakke, Nemecek, Turrian, and Grandjean, 1977
Methods: Fixed format questionnaire.
          Residents of area interviewed.
          Cross-sectional study design.
          Mail survey
Comments: Air quality was also assessed.
Contact: Dr. H.U. Wanner
          Dept. of Hygiene and Ergonomics
          Swiss Federal Institute of Technology
          8092 Zurich
          Switzerland

Study Number: SWI-159
Title: Swiss N-3 Motorway Study
Date: 1977 (September)
Major Source: Motorway
Location: Switzerland: N-3 in the vicinity of Sargans
Sample Size: 150
Noise Level: Available
Reports: Nemecek et al., 1978
        Nemecek et al., 1979
Methods: Fixed format questionnaire.
          Residents of area interviewed.
          Cross-sectional study design.
          The questionnaire was not administered by an interviewer.
Comments: Special attention was directed at the costs of noise and of alleviating its' effects.
Contact: Dr. J. Nemecek
          Dept. of Hygiene & Applied Physiology
          Swiss Federal Institute of Technology
          ETH-Zentrum
          Clausiusstrasse 21
          CH-8092 Zurich
          Switzerland

Study Number: SWI-173
Title: 1978 Zurich Time-of-Day Survey
Date: 1978
Major Source: Road traffic
Location: Switzerland: Zurich and vicinity (18 study sites)
Sample Size: 1607
Noise Level: Available (continuous)
Reports: Wehrli, Nemecek, Turrian, Hoffmann, and Wanner, 1978
Wehrli and Nemecek, 1979
Wehrli and Grandjean, 1979
Wehrli, Nemecek, Turrian, Wanner, and Hofmann, 1978
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Mail survey
Comments: NONE
Contact: Dr. H. U. Wanner
Dept. of Hygiene and Ergonomics
Swiss Federal Institute of Technology
8092 Zurich
Switzerland

Study Number: SWI-180
Title: 1979 Swiss General Aviation Survey
Date: 1979 (late Summer)
Major Source: Aircraft
Location: Switzerland: Six General Aviation Airports
Sample Size: 1428
Noise Level: Available (continuous)
Reports: Institute Fur..., 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Institut fur Praxisorientierte Sozial forschung
Weinbergstrasse 74
8006 Zurich
Switzerland

Study Number: UKD-001
Title: 1943 British Home Noise Survey
Date: 1943 (November)
Major Source: Community noise as well as noises generated inside dwellings
Location: U.K.: 40 cities in Great Britain
Sample Size: 2017
Noise Level: Not available
Reports: Chapman, 1948
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Study Number: UKD-003
Title: 1952 Sound Insulation in Flats Survey
Date: 1952 (December), 1953 (March)
Major Source: Interior
Location: U.K.: London, Glasgow
Sample Size: 1491
Noise Level: Sound insulation of floors is known
Reports: Piekles, 1956
Gray, et al., 1958
Gray, 1956
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: All respondents were housewives
Contact: Ms. J. Atkinson
Social Survey Division
Office of Population Censuses and Surveys
St Catherine's House
10 Kings Way
London WC28 6JP
England

Study Number: UKD-008
Title: 1961 Heathrow Aircraft Noise Survey (First Heathrow Survey)
Date: 1961 (September)
Major Source: Aircraft
Location: U.K.: Heathrow (London) airport
Sample Size: 1731
Noise Level: Available (continuous)
Reports: McKennell, 1963
Wilson, 1963
McKennell, 1965
McKennell, 1969
McKennell, 1970
McKennell, 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: There was also a special survey of complainants. The NNI (Noise and Number Index) was derived from the analysis. This is study A41 in the list from Wyle (1977). The study is included in an analysis in Schultz (1978).

Contact: Dr. Aubree McKennell
Social Science Faculty
University of Southampton
Southampton SO9 5NH
England

Study Number: UKD-009
Title: 1961 Central London Traffic Noise Survey
Date: 1961
Major Source: Road traffic
Location: U.K.: Central London
Sample Size: 1377
Noise Level: Available
Reports: McKennell and Hunt, 1966
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A40).
Contact: Dr. Aubree McKennell
Social Science Faculty
University of Southampton
Southampton
England SO9 5NH

Study Number: UKD-010
Title: 1963 Welsh Village Impulse Noise (Exercise Yellow Hammer)
Date: 1963
Major Source: Explosive charges at height of 500 feet (simulating sonic booms from aircraft)
Location: U.K.: small village
Sample Size: Several thousand interviews from approximately 220 respondents
Noise Level: Available
Reports: Webb and Warren, 1967
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
Repeated interviews with four panels of respondents.
Comments: NONE
Contact: Mr. D.R.B. Webb
Study Number: UKD-024
Title: 1967 Heathrow Aircraft Noise Study (2nd Heathrow Survey)
Date: 1967 (September)
Major Source: Aircraft
Location: U.K.: Heathrow (London) airport
Sample Size: 4699 main sample
Noise Level: Available (continuous)
Reports: MIL, 1971
DORA, 1971
Knowler, 1971
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The study was specially designed for comparison to 1961
survey. A special sample of people whose homes were
sound proofed was included.
This study was cited in the list of surveys used by
Wyle, 1977 (A42), and Schultz, 1978.
Contact: Dr. Peter Brooker
Room T818
Civil Aviation Authority
CAA House
43–59 Kingsway
London WC2B 6TE
England

Study Number: UKD-029
Title: 1968 Coventry Pilot Railway Noise Survey
Date: 1968
Major Source: Railway
Location: U.K.: Coventry
Sample Size: 85
Noise Level: Not available
Reports: Walters, 1970
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Two different questionnaires were used.
This study was cited in the list of surveys used by
Contact: Mr. David Walters
Dept. Architectural Planning & Urban Studies
Study Number: UKD-030
Title: 1968 B.R.S. London Traffic Noise Survey
Date: 1968
Major Source: Road Traffic
Location: U.K.: London Area (11 sites)
Sample Size: 1200
Noise Level: Available (continuous)
Reports: Griffiths and Langdon, 1968
Griffiths, 1968
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: TNI (the Traffic Noise Index) was derived from the survey's results.
This study was cited in the list of surveys used by Wyle, 1977 (A30).
Contact: Dr. John Langdon
Building Research Station
Garston
Watford WD2 7JR
England

Study Number: UKD-033
Title: 1969 Mixed Road and Aircraft Noise Survey
Date: 1969-1970
Major Source: Aircraft and road traffic
Location: U.K.: Heathrow airport (London)
Sample Size: 315 (approximately)
Noise Level: Available (5 dB steps)
Reports: Bottom, 1971
Bottom and Waters, 1971a
Bottom and Waters, 1971b
Waters and Bottom, 1971
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A14).
Contact: Dr. David Waters
Dept. of Transport Technology
Loughborough University of Technology
CATALOG (Continued)

Loughborough LE11 3TU
England

Study Number: UKD-038
Title: 1969 Central England Railway Survey
Date: 1969
Major Source: Railway
Location: U.K.: Central England
Sample Size: 258
Noise Level: Not available
Reports: Walters, 1970
Hall, 1969
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used
Contact: Mr. David Walters
Dept. Architectural Planning & Urban Studies
University of Aston at Birmingham
Costa Green
Birmingham B4 7ET
England

Study Number: UKD-050
Title: 1970-71 Heston Noise Barrier Study
Date: 1970 (September) to 1971 (September)
Major Source: Road traffic
Location: U.K.: One site along the M14 motorway near Heston
Sample Size: 458 interviews (142 before barrier, 316 after)
Noise Level: Available (continuous)
Reports: Mackie, 1972
Scholes, 1977
Scholes et al., 1974
Methods: Residents of area interviewed.
Face-to-face interviews.
Fixed format questionnaire.
Some of those interviewed before the barrier were
reinterviewed after the barrier was erected.
Comments: People were interviewed before and after a noise barrier
was erected on one side of a motorway. People on the
opposite side of the motorway were also interviewed.
Contact: Dr. A. M. Mackie
Transport and Road Research Laboratory
Crowthorne, Berkshire
England
### Study Number: UKD-052
Title: 1971 Gatwick Airport Noise Survey  
Date: 1971  
Major Source: Aircraft  
Location: U.K.: Gatwick airport (London)  
Sample Size: 1030  
Noise Level: Available  
Reports: Ollerhead and Cousins, 1975  
Methods: Fixed format questionnaire.  
Residents of area interviewed.  
Face-to-face interviews.  
Cross-sectional study design.  
Comments: This study was especially designed for comparison to other Heathrow surveys.  
Contact: Dr. John Ollerhead  
Dept. of Transport Technology  
University of Technology  
Loughborough, Leicestershire LE11 3TU  
England

### Study Number: UKD-061
Title: 1972 Heathrow Airport Noise Pilot Survey  
Date: 1972  
Major Source: Aircraft  
Location: U.K.: Heathrow airport (London)  
Sample Size: 600  
Noise Level: Available  
Reports: Ollerhead and Edwards, 1974  
Ollerhead, 1977  
Ollerhead and Edwards, 1977  
Ollerhead, 1973  
Ollerhead, 1978  
Methods: Fixed format questionnaire.  
Residents of area interviewed.  
Face-to-face interviews.  
Cross-sectional study design.  
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A144).  
Contact: Dr. John Ollerhead  
Dept. of Transport Technology  
Loughborough, Leicestershire LE11 3TU  
England

### Study Number: UKD-071
Title: 1972 B.R.S. London Traffic Noise Survey  
Date: 1972  
Major Source: Road traffic  
Location: U.K.: London Area (53 sites)
Sample Size: 2933  
Noise Level: Available (continuous)  
Reports: Langdon, 1976a  
         Langdon, 1977  
         Langdon, 1975  
         Hood, 1977  
         Langdon, 1976b  
         Langdon and Buller, 1977a  
         Langdon, 1978  
         Langdon and Buller, 1977b  
Methods: Fixed format questionnaire.  
         Residents of area interviewed.  
         Face-to-face interviews.  
         Cross-sectional study design.  
Comments: This investigation is similar in some respects to the  
         Building Research Station's earlier 1968 B.R.S. London  
         Traffic Survey (UKD-030).  
         This study was cited in the list of surveys listed by  
Contact: Dr. John Langdon  
         Building Research Station  
         Garston  
         Watford WD2 7JR  
         England

Study Number: UKD-072  
Title: 1972 English Road Traffic Survey  
Date: 1972  
Major Source: Road traffic  
Location: U.K.: Probability sample of England  
Sample Size: 6017  
Noise Level: Available for 1235 interviews (continuous)  
Reports: Morton-Williams, Hedges and Fernando, 1978  
         Hedges, 1973  
         Sando and Batty, 1975  
         Harland, 1977  
         Harland, and Abbott, 1977  
         Hapuarachchi, 1980  
Methods: Fixed format questionnaire.  
         Residents of area interviewed.  
         Face-to-face interviews.  
         Cross-sectional study design.  
Comments: NONE  
Contact: Ms. Jean Morton-Williams  
         Social & Community Planning Research  
         35 Northampton Terrace  
         London, EC1V OAX  
         England
Study Number: UKD-073
Title: 1972 Birmingham New Motorway Study
Date: 1972, 1973
Major Source: Motorway noise
Location: U.K.: Bromford Bridge and Firs Estate in Birmingham
Sample Size: 363 interviews (189 in first wave, 174 in second wave)
Noise Level: Available
Reports: Lawson and Walters, 1973
Methods: Interviews were carried out in the same area before and after the motorway was opened.
Comments: NONE
Contact: Dr. David Walters
Dept. of Architectural Planning
University of Aston at Birmingham
Costa Green
Birmingham B4 7ET
England

Study Number: UKD-074
Title: 1972 London Construction Site Survey
Date: 1972
Major Source: Construction
Location: U.K.: London construction site
Sample Size: 976
Noise Level: Available (continuous) for construction and road traffic
Reports: Large and Ludlow, 1976
Ludlow, 1976
Ludlow, 1973
Large and Ludlow, 1975
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Mail survey
Comments: The postal survey achieved a 55% response rate with two reminder letters. The questionnaires asked many noise sources. This study was cited in the list of surveys used by Wyle, 1977 (A37).
Contact: Dr. J. E. Ludlow
Foster-Miller Assoc.
135 2nd Ave.
Waltham, Ma. 02154

Study Number: UKD-080
Title: 1972 Loughborough Interrupted Traffic Flow Survey
Date: 1972
Major Source: Road Traffic
Location: England: 12 sites
CATALOG (Continued)

Sample Size: Approximately 250
Noise Level: Available (continuous)
   Reports: Jones and Waters, no date
   Methods: Fixed format questionnaire.
   Residents of area interviewed.
   Cross-sectional study design.
   A postal questionnaire was used.
   Comments: The study was split between freely flowing traffic
   (6 sites) and interrupted flow (6 sites).
   The study was designed to compare reactions of freeflow
   and interrupted traffic.
   Contact: Mr. D. M. Waters
   Dept. of Transport Technology
   Loughborough University of Technology
   Loughborough
   England

Study Number: UKD-086
   Title: 1973 Kew Aircraft Noise Survey
   Date: 1973
   Major Source: Aircraft
   Location: U.K.: Kew London
   Sample Size: 469 mail interviews, 28 personal interviews
   Noise Level: Available
   Reports: Edwards, 1975
   Edwards and Ollerhead, 1974
   Ollerhead and Edwards, 1974
   Methods: Fixed format questionnaire.
   Residents of area interviewed.
   Cross-sectional study design.
   Primarily a mail questionnaire study, but 28 personal
   interviews were carried out.
   Comments: This study was cited in the list of surveys used
   Contact: Dr. John Ollerhead
   Dept. of Transport Technology
   University of Technology
   Loughborough, Leicestershire LE11 3TU
   England

Study Number: UKD-097
   Title: 1974 English Aircraft Noise Postal Survey
   Date: 1974
   Major Source: Aircraft
   Location: U.K.: Three cities (London-Heathrow, Manchester, Liverpool)
   Sample Size: 725
   Noise Level: Available
   Reports: Ollerhead, 1977
CATALOG (Continued)

Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Mail questionnaire only

Comments: NONE

Contact: Dr. John Ollerhead
Dept. of Transport Technology
University of Technology
Loughborough, Leicestershire LE11 3TU
England

Study Number: UKD-111
Title: 1975 English Mental Health Pilot Survey
Date: 1975 (April, May)
Major Source: Aircraft
Location: U.K.: Two locations near Heathrow airport
Sample Size: 208
Noise Level: Available (5 dB steps)
Reports: Tarnopolsky et al, 1978
Barker and Tarnopolsky, 1978
Hede, 1979
MacLean and Tarnopolsky, 1977
Tarnopolsky, 1978

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: Experiments with question order were included.

Contact: Dr. A. Tarnopolsky
Institute of Psychiatry
De Crespigny Park, Denmark Hill
London SES 8AF
England

Study Number: UKD-112
Title: Luton In-migrants Aircraft Noise Survey
Date: 1975
Major Source: Aircraft
Location: U.K.: Luton airport
Sample Size: 112
Noise Level: Available
Reports: Wrigley, 1976a
Wrigley, 1976b

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: This is a study of new residents in an airport area.
CATALOG (Continued)

Contact: Dr. Neil Wrigley  
Dept. of Geography  
University of Bristol  
Bristol BS8 1SS  
England

Study Number: UKD-116  
Title: 1975 British National Railway Noise Survey  
Date: 1975 (October) ; 1976 (January)  
Major Source: Railway  
Location: U.K.: England, Scotland and Wales  
Sample Size: 1453  
Noise Level: Available (continuous)  
Reports: Fields, Walker, and Large, 1976  
Phillips, 1978  
Richardson, 1976  
Fields, 1977  
Walker, Fields, 1977  
Fields, and Walker, 1977a  
Fields, and Walker, 1977b  
Garnsworthy, 1977  
Windle, 1977  
Fields, and Walker, 1980c  
Fields, and Tomberlin, 1978  
Walker, and Fields, 1978  
Fields, and Walker, 1978  
Fields, 1979  
Fields, and Walker, 1980a  
Fields, and Walker, 1980b  
Walker, and Fields, 1980  
Methods: Fixed format questionnaire.  
Residents of area interviewed.  
Face-to-face interviews.  
Cross-sectional study design.  
Comments: The questionnaire was presented in two slightly different  
forms to test question order and question wording effects.  
Contact: Dr. John Walker  
Institute of Sound and Vibration Research  
University of Southampton  
Southampton S09 5NH  
England

Study Number: UKD-118  
Title: 1975 London and Liverpool Panel Survey  
Date: 1975, 1976  
Major Source: Road traffic  
Location: U.K.: London and Liverpool  
Sample Size: 738 interviews from 413 respondents
CATALOG (Continued)

Noise Level: Available
Reports: Griffiths and Delauzun, 1977
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
Of the 413 original respondents, 325 were reinterviewed one year later.
Comments: Twenty-five of the respondents were also given two self-administered personality tests.
Contact: Dr. I.D. Griffiths
Atkins Research and Development
Epsom
Surrey KT18 5BW
England

Study Number: UKD-119
Title: 1975 Great Britain Interior Noise Survey
Date: 1975
Major Source: Interior noise from adjacent dwellings
Location: U.K.: Great Britain
Sample Size: 3122
Noise Level: Not available
Reports: Langdon and Buller, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This is a survey of people in dwelling units sharing a common wall with another dwelling.
Contact: Dr. John Langdon
Building Research Station
Garston
Watford WD2 7JR
England

Study Number: UKD-130
Title: 1976 Heathrow Concorde Noise Survey
Date: 1976
Major Source: Aircraft
Sample Size: 2631
Noise Level: Available (continuous)
Reports: McKennell, 1977
McKrelln, 1980
McKrelln, 1978
Large and Ludlow, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: NONE
Contact: Dr. Aubree McKennell
Social Science Faculty
University of Southampton
Southampton S09 5NH
England

Study Number: UKD-132
Title: 1976 Darlington Quiet Town Survey
Date: 1976 (June)
Major Source: Community
Location: U.K.: Probability sample of Darlington
Sample Size: 494
Noise Level: Not Available
Reports: Jupp and Sutton, 1976
Landon, 1976
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The study was made a part of the Darlington Quiet Town Experiment.
Contact: Dr. V. R. Jupp
Dept. of Behavioral Sciences
Newcastle-upon-Tyne Polytechnic
Polytechnic Precinct
Newcastle-upon-Tyne NE1 85T
England

Study Number: UKD-147
Title: 1977 Heathrow Night-time Pilot Survey
Date: 1977 (December): 1978 (January-April)
Major Source: Aircraft
Location: U.K.: Heathrow (7 sites)
Sample Size: 1055 (279 face-to-face interviews, 776 postal questionnaires)
Noise Level: Available (continuous)
Reports: DORA, 1978a
DORA, 1978b
DORA, 1978c
DORA, 1978d
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Some interviews were self-administered mail questionnaires.
Comments: NONE
Contact: Dr. Peter Brooker
Study Number: UKD-148
Title: 1977 Heathrow Psychiatric Morbidity Survey
Date: 1977
Major Source: Aircraft noise
Location: England: West London area near Heathrow airport
Sample Size: 5885
Noise Level: Available
Reports: Tarnopolsky, Watkins, and Hand, 1980
Tarnopolsky and Morton-Williams, 1980
Tarnopolsky, Hand, Barker, and Jenkins, 1980
Tarnopolsky, Jenkins, Watkins, and Hand, 1980
Watkins, et al., 1981
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. A. Tarnopolsky
Institute of Psychiatry
De Crespigny Park, Denmark Hill
London SE5 8AF
England

Study Number: UKD-157
Title: 1977 London Area Panel Survey
Date: 1977, 1978
Major Source: Road traffic
Location: U.K.: London area (6 sites)
Sample Size: 1363 interviews from 507 respondents
Noise Level: Available (continuous)
Reports: Atkins Research and Development, 1979
Griffiths, Langdon, and Swan, 1980
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
The same interview questions were asked of a
panel of respondents at different times of the year.
Some 364 respondents were interviewed four times.
Comments: Alternative question wordings, question instructions,
and question ordering were experimented with. The
monetary evaluation of noise nuisance was examined.
CATALOG (Continued)

Contact: Dr. John Langdon
Building Research Station
Garston
Watford WD2 7JR
England

Study Number: UKD-160
Title: 1977 Hampshire Village Noise Study
Date: 1977 (October) to 1978 (January)
Major Source: Community noise, road traffic
Location: England: 10 villages in Hampshire and Wiltshire
Sample Size: 756
Noise Level: Available (continuous)
Reports: Hawkins, 1979
           Hawkins, 1979
           Hawkins, 1980
           Prescott-Clarke, 1978
           McEntagart, 1980
Methods: Fixed format questionnaire.
         Residents of area interviewed.
         Face-to-face interviews.
         Cross-sectional study design.
Comments: A large amount of observational information was
          collected about the respondents' neighborhoods.
Contact: Mr. Michael Hawkins
Department of Social Statistics
University of Southampton
Southampton
England S09 5NH

Study Number: UKD-161
Title: 1977 Southampton Water Hovercraft Noise Survey
Date: 1977
Major Source: Hovercraft
Location: U.K.: Neighborhoods near Southampton Water
Sample Size: 241
Noise Level: Available (5 dB steps)
Reports: Samra, 1978
Methods: Fixed format questionnaire.
         Residents of area interviewed.
         Face-to-face interviews.
         Cross-sectional study design.
Comments: 1978 Southampton Hovercraft Terminal Noise Survey
          (UKD-175) was designed for comparison to this Survey.
Contact: Mr. Chris Rice
Institute for Sound and Vibration Research
Univ. of Southampton
Southampton, S09 5NH
England

Study Number: UKD-162
Title: Greater Manchester Traffic Survey
Date: 1977 Publication (Date of Survey not determined)
Major Source: Road traffic
Location: U.K.: Greater Manchester area
Sample Size: 846
Noise Level: Available
Reports: Yeowart, Wilcox, and Rossall, 1977a IOA
Yeowart, Wilcox and Rossall, 1977b JSV
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. H. McRobert
Dept. of Electrical Engineering
University of Salford
Salford M5 4WT
England

Study Number: UKD-175
Title: 1978 Southampton Hovercraft Terminal Noise Survey
Date: 1978
Major Source: Hovercraft
Location: U.K.: Southampton area near Hovercraft Terminal
Sample Size: 52
Noise Level: Available (continuous)
Reports: Hutton, 1978
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Designed to be compared to the 1977 Solent Hovercraft Survey (UKD-161).
Contact: Mr. Chris Rice
Institute for Sound and Vibration Research
Univ. of Southampton
Southampton, S09 5NH
England

Study Number: UKD-176
Title: 1978 ISVR Lab-Field Comparison Survey
Date: 1978 (June, July)
Major Source: Road traffic
Location: U.K.: A neighborhood in Southampton, England
CATALOG (Continued)

Sample Size: 60
Noise Level: Available (continuous)
  Reports: Flindell, 1979
  Methods: Fixed format questionnaire.
  Face-to-face interviews.
  Residents of area interviewed.
  After being interviewed, subjects were brought into
  the simulated living room listening facility where
  they were exposed to traffic noise
  Comments: The study is designed to compare reactions in the
  laboratory and the field.
  Contact: Mr. Chris Rice
  Institute for Sound and Vibration Research
  Univ. of Southampton
  Southampton, S09 5NH
  England

Study Number: UKD-182
  Title: 1979 Heathrow and Gatwick Sleep Study (Aircraft Noise
  and Sleep Disturbance)
  Date: 1979 (June to October)
  Major Source: Aircraft
  Location: U.K.: Two airports, Heathrow (17 study sites),
  and Gatwick (8 study sites).
  Sample Size: 964 personal, 3188 postal
  Noise Level: Available (continuous)
  Reports: DORA, 1980a
  DORA, 1980b
  DORA, 1980c
  DORA, 1980d
  Makinson, 1979
  Methods: Face-to-face interviews.
  Residents of area interviewed.
  Cross-sectional study design.
  Both personal interviews and postal questionnaires were
  used. Noise measurements were made of the night time noise
  environment. Some questions were specially directed at
  the experience of the previous night.
  Comments: A large scale preliminary study was also carried out,
  (UKD-147).
  Contact: Dr. Peter Brooker
  Room T818
  Civil Aviation Authority
  CAA House
  43-59 Kingsway
  London WC2B 6TE
  England
Study Number: UKD-199
  Title: 1978 Darlington Quiet Town Survey
  Date: 1978 June
  Major Source: Community
  Location: U.K.: Probability Sample of Darlington
  Sample Size: 488
  Noise Level: Not available
  Reports: Jupp, and Landon, 1978
  Methods: Fixed format questionnaire.
            Residents of area interviewed.
            Face-to-face interviews.
            Cross-sectional study design.
  Comments: This follows up on an earlier study (UKD-132) of the
            Darlington Quiet Town Experiment.
  Contact: Dr. V.R. Jupp
            Dept. of Behavioral Sciences
            Newcastle-upon-Tyne Polytechnic
            Polytechnic Precinct
            Newcastle-upon Tyne NE1 85T
            England

Study Number: USA-004
  Title: 1953 U.S.A. Eight Airport Noise Study
  Date: 1953 (Spring and Fall)
  Major Source: Aircraft
  Location: U.S.A.: Eight airports in 7 cities: Atlanta, Chicago, Memphis
            Miami, Minneapolis, Philadelphia, St. Louis, Idlewild
            (New York), La Guardia (New York)
  Sample Size: 3635
  Noise Level: Available
  Reports: Borsky, 1954
  Methods: Fixed format questionnaire.
            Residents of area interviewed.
            Face-to-face interviews.
            Cross-sectional study design.
  Comments: NONE
  Contact: Mr. Paul Borsky
            School of Public Health
            Columbia University
            New York, N.Y. 10027

Study Number: USA-006
  Title: 1957 U.S.A. Air Force Base Noise Study
  Date: 1957 (May, June, July)
  Major Source: Aircraft
  Location: U.S.A.: Two air force bases (Preliminary Pilot survey at
            another base)
  Sample Size: 1598 in main study, (732 in pilot study)
CATALOG (Continued)

Noise Level: Available (5 dB steps)
  Reports: Borsky, 1961
  Methods: Fixed format questionnaire.
    Residents of area interviewed.
    Cross-sectional study design.
    Special mail interviews were also conducted.
  Comments: This study was cited in the list of surveys used by
            Wyle, 1977 (A11)
  Contact: Mr. Paul Borsky
            School of Public Health
            Columbia University
            New York, N.Y. 10027

Study Number: USA-007
  Title: 1961 St. Louis Sonic Boom Study
  Date: 1961 (November, December): 1962 (January)
  Major Source: Aircraft
  Location: U.S.A.: St. Louis Area
  Sample Size: Approximately 2,200 interviews from approximately
               1,157 respondents
  Noise Level: Not available
  Reports: Borsky, 1962
    Nixon and Borsky, 1966
    Nixon and Hubbard, 1965
  Methods: Fixed format questionnaire.
    Face-to-face interviews.
    1,043 people were reinterviewed. Both telephone and face-to-face interviews were used for the reinterview.
  Comments: Some interviews were carried out to test for reinterviewing and face-to-face vs telephone interviewing effects.
  Contact: Mr. Paul Borsky
            School of Public Health
            Columbia University
            New York, N.Y. 10027

Study Number: USA-012
  Title: 1964 Oklahoma City Sonic Boom Study
  Date: 1964
  Major Source: Aircraft
  Location: U.S.A.: Oklahoma City area
  Sample Size: 7997 interviews from approximately 3200 respondents
  Noise Level: Not available
  Reports: Borsky, 1965
  Methods: Fixed format questionnaire.
    Face-to-face interviews.
    Residents of area interviewed.
    Most original respondents were reinterviewed twice by telephone.
  Comments: Some interviews were conducted to test for reinterviewing
and telephone vs personal interviewing effects. Some changes occurred in the questionnaire between waves. This study was cited in the list of surveys used by Wyle, 1977 (A12).

Contact: Mr. Paul Borsky
School of Public Health
Columbia University
New York, N.Y. 10027

Study Number: USA-020
Title: 1966 U.S.A. Three City Community Noise Study
Date: 1966
Major Source: Community, road traffic
Location: U.S.A.: Los Angeles, Boston, New York
Sample Size: 259
Noise Level: Not available
Reports: Bolt, Beranek and Newman, 1967
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. William J. Galloway
Bolt Beranek & Newman, Inc.
21120 Vanowen St.
Canoga Park, Ca., 91305

Study Number: USA-022
Title: 1967 U.S.A. Four Airport Survey (Phase I of TRACOR Survey)
Date: 1967 (May to August)
Major Source: Aircraft
Location: U.S.A.: 4 Airports; Chicago, Dallas, Denver, Los Angeles
Sample Size: 3590
Noise Level: Available (continuous)
Reports: Connor, 1968
Hazard, 1968
TRACOR, 1970
Hazard, 1971
Connor and Patterson, 1972
Patterson and Connor, 1973
Patterson, 1975
Connor and Patterson, 1976
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This is the first of three U.S.A. aircraft surveys by TRACOR. This first survey's questionnaire differed substantially from the other two. The other two surveys are: 1969 U.S.A. Three
CATALOG (Continued)

Airport Survey (USA-032), 1970 U.S.A. Small City Airport Survey (USA-044). This study was cited in the list of surveys used by Wyle, 1977 (A54). The study is included in the analysis by Schultz.

Contact: William K. Connor
TRACOR, Inc.
6500 Tracor Lane
Austin, Texas 78721

Study Number: USA-023
Title: 1967-68 SR-71 Supersonic Aircraft Noise Study
Date: 1967: 1968
Major Source: Sonic booms from aircraft
Location: U.S.A.: Six metropolitan areas; Atlanta, Chicago, Dallas, Denver, Los Angeles, Minneapolis
Sample Size: 6375 interviews. Some respondents were interviewed more than once
Noise Level: Not available
Reports: TRACOR, 1970a
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
Some interviews were held before, after and during the overflights. The questionnaire was altered between interview phases. Special samples of complainants were included.

Contact: William K. Connor
TRACOR, Inc.
6500 Tracor Lane
Austin, Texas 78721

Study Number: USA-027
Title: 1968 LAX Aircraft Noise Study
Date: 1968 (October)
Major Source: Aircraft
Location: U.S.A.: Los Angeles International Airport
Sample Size: 200
Noise Level: Not available
Reports: Zamarin, 1971
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: This study was cited in a list of surveys used by Wyle, 1971 (A17).
Contact: Dr. R.F. Gabriel (Mail Code 35-36)
Douglas Aircraft Co.
3855 Lakewood Blvd.
Study Number: USA-031
Title: 1969 LAX Aircraft Noise Study
Date: 1969 (Autumn)
Major Source: Aircraft
Location: U.S.A.: Los Angeles International Airport
Sample Size: 500
Noise Level: Not available
Reports: Burrows and Zamarin, 1972
Zamarin, 1971
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in a list of surveys used by Wyle, 1977 (A17).
Contact: Dr. R.F. Gabriel (Mail Code 35-36)
Douglas Aircraft Co.
3855 Lakewood Blvd.
Long Beach, California 90846

Study Number: USA-032
Title: 1969 U.S.A. Three Airport Survey (Phase II TRACOR Survey)
Date: 1969 (July to November)
Major Source: Aircraft
Location: U.S.A.: 3 Airports; Boston, Miami, New York
Sample Size: 2912
Noise Level: Available (continuous)
Reports: TRACOR, 1970b
Hazard, 1971
Edmiston and Patterson, 1972
Connor and Patterson, 1972
Patterson and Connor, 1973
Patterson, 1975
Connor and Patterson, 1976
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This is the second of a series of three surveys carried out by TRACOR. The other two surveys are: 1967 U.S.A. Four Airport Survey (USA-022) and 1970 U.S. Small City Airport (USA-044). The second and third surveys have almost identical questionnaires. This study was cited in the list of surveys used by Wyle, 1977 (A54).
Contact: William K. Connor
Tracor, Inc.
Study Number: USA-039  
**Title:** San Francisco Three Street Pilot Study  
**Date:** 1969-70  
**Major Source:** Community Noise  
**Location:** U.S.A.: San Francisco  
**Sample Size:** 36  
**Noise Level:** Available  
**Reports:** Appleyard and Lintell, 1972  
**Methods:** Fixed format questionnaire. Residents of area interviewed. Face-to-face interviews. Cross-sectional study design.  
**Comments:** NONE  
**Contact:** Dr. Donald Appleyard  
Dept. of Landscape Architecture  
University of California  
Berkley, California 94720

Study Number: USA-040  
**Title:** 1969 Inglewood Community Noise Survey  
**Date:** 1969 (December)  
**Major Source:** Community  
**Location:** U.S.A.: Inglewood (California)  
**Sample Size:** 13,000  
**Noise Level:** Available for aircraft (noise level is averaged over census tracts)  
**Reports:** "Toward a Quality City....", 1972, (p.105-106)  
**Methods:** Fixed format questionnaire. Residents of area interviewed. Face-to-face interviews. Cross-sectional study design.  
**Comments:** This study was cited in the list of surveys used by Wyle, 1977 (A31). (Survey USA-048 is also referenced by the Wyle A31 number).  
**Contact:** Louis C. Sutherland  
Wyle Laboratories  
128 Maryland St.  
El Segundo, California 90245

Study Number: USA-043  
**Title:** Los Angeles Freeway Five Site Study  
**Date:** 1969 Publication (Date of survey not determined)  
**Major Source:** Freeway noise  
**Location:** U.S.A.: Los Angeles
CATALOG (Continued)

Sample Size: 325
Noise Level: Available
  Reports: Galloway, Clark and Kerrick, 1969
  Methods: Fixed format questionnaire.
  Residents of area interviewed.
  Face-to-face interviews.
  Cross-sectional study design.
Comments: NONE
Contact: Dr. William J. Galloway
  Bolt Beranek and Newman, Inc.
  21120 Vanowen St.
  Canoga Park, Ca. 91305

Study Number: USA-044
  Title: 1970 U.S.A. Small City Airports (Small City TRACOR survey)
  Date: 1970-71 (October 1970 to January 1971)
Major Source: Aircraft
  Location: U.S.A.: 2 Airports; Chattanooga, Reno
Sample Size: 1960
Noise Level: Available (continuous)
  Reports: Connor and Patterson, 1972
  Patterson and Connor 1973
  Patterson, 1975
  Connor and Patterson, 1976
  Methods: Fixed format questionnaire.
  Residents of area interviewed.
  Face-to-face interviews.
  Cross-sectional study design.
Comments: This is the third of a series of three surveys by TRACOR.
The other two surveys are: 1967 U.S.A. Four Airport Survey
(USA-022) and 1969 U.S.A. Three Airport Survey (USA-032). The
second and third surveys have almost identical questionnaires.
This study was cited in the surveys used by Wyle, 1977
(A55), and Schultz, 1978.
Contact: William K. Connor
  Tracor, Inc.
  6500 Tracor Lane
  Austin, Texas 78721

Study Number: USA-047
  Title: 1970 Minneapolis Freeway Noise Study
  Date: 1970 (July, August)
Major Source: Expressway noise
  Location: U.S.A.: Interstate Highway I35W in Minneapolis, Minnesota
Sample Size: 148
Noise Level: Not available
  Reports: Lambert, 1971
  Bouchard, 1970
CATALOG (Continued)

Highway Traffic Noise..., 1971 (includes the two preceeding references)

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: This survey area was later included in the 1972 Minneapolis Freeway Noise Barrier Study (USA-069)

Contact: Mr. C.A. Canner
Office of Research and Development
Minnesota Dept. of Transportation
State of Minnesota
St. Paul, Minnesota 55155

Study Number: USA-048
Title: 1970 C.R.P. Inglewood Community Noise Survey
Date: 1970 (January)
Major Source: Community
Location: U.S.A. Inglewood (California)
Sample Size: 5,500
Noise Level: Available for aircraft (level is averaged over-census tracts)

Reports: "Toward a Quality City...", 1972
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
A mailed survey was used (13% response rate)

Comments: This study was cited in the list of surveys used by Wyle, 1977 (A31). (Survey USA-040 is also referenced by the Wyle A31 number).

Contact: UNKNOWN

Study Number: USA-049
Title: Cedar Rock Drive Neighborhood Noise Investigation
Date: 1970
Major Source: Manufacturing plant noise in a community
Location: U.S.A.: A neighborhood in Pickens, South Carolina
Sample Size: 17
Noise Level: Available (continuous)

Reports: Hart, et al., 1972
Methods: Two of the 17 respondents were in business establish­ments. Only one question was asked of each person.

Comments: The study was used in a court case.

Contact: Dr. F.D. Hart
Center for Acoustical Studies
Box 5801
North Carolina State University
Raleigh, North Carolina 27607
Study Number: USA-051
  Title: 1971 J.F.K. Dynamic Preferential Runway System Survey
  Date: 1971 (August-September)
  Major Source: Aircraft
  Location: U.S.A.: John F. Kennedy Airport in New York City
  Sample Size: 441
  Noise Level: Not available
  Reports: Patterson et al., 1972
  Methods: Fixed format questionnaire.
           Residents of area interviewed.
           Face-to-face interviews.
           Cross-sectional study design.
  Comments: Study areas were chosen to provide a closely comparable sample
to that from the 1969 TRACOR study (USA-032) for the purpose of
assessing any changes in reactions attributable to the intro-
duction of the dynamic preferential runway system at J.F.K.
  Contact: William K. Connor
           Tracor, Inc.
           6500 Tracor Lane
           Austin, Texas 78721

Study Number: USA-057
  Title: U.S.A. Vehicle Noise Situation Survey
  Date: 1971 Publication (Date of survey not determined)
  Major Source: Road vehicle traffic
  Location: U.S.A.: Boston, Los Angeles, Detroit
  Sample Size: 1201
  Noise Level: Available for some respondents
  Reports: Bolt Beranek and Newman, 1971a
           Bolt Beranek and Newman, 1971b
           Bolt Beranek and Newman, 1971c
  Methods: Residents of area interviewed.
           Cross-sectional study design.
           Instead of fixed format questionnaires, a flexible
           conversational format was used. All interviews were
           conducted by telephone.
  Comments: The survey was designed to explore the "vehicle noise
           situations which annoyed" respondents.
           This study was cited in the list of surveys listed
           by Wyle, 1977 (A8).
  Contact: Dr. William J. Galloway
           Bolt Beranek and Newman Inc.
           21120 Vanowen St.
           Canogo Park, Ca., 91305

Study Number: USA-058
  Title: Philadelphia Community Noise Survey
  Date: 1971 Publication (Date of survey not determined)
CATALOG (Continued)

Major Source: All community noise identified in Philadelphia
Location: U.S.A.: Philadelphia
Sample Size: 500
Noise Level: Not available
Reports: Bragdon, 1971
Methods: Fixed format questionnaire.
Resident of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A15).
Contact: Dr. C.R. Bragdon
Dept. of City Planning
Georgia Institute of Technology
Atlanta, Georgia 30322

Study Number: USA-059
Title: 1972 J.F.K. Airport Noise Survey
Date: 1972 (February, March, August, October)
Major Source: Aircraft
Location: U.S.A.: John F. Kennedy airport in New York City
Sample Size: 2930 interviews from 1465 respondents
Noise Level: Available (continuous) but annoyance responses not reported by noise level
Reports: Borsky and Leonard, 1973
Leonard and Borsky, 1973
Borsky, 1974
Borsky, 1975
Borsky, 1976a
Borsky, 1976b
Methods: Fixed format questionnaire.
Residents of area interviewed.
Original face-to-face interviews were followed by repeated interviews by telephone.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A13)
Contact: Mr. Paul Borsky
School of Public Health
Columbia University
New York, N. Y. 10027

Study Number: USA-060
Title: 1972 Portland Northshore Aircraft Survey
Date: 1972 (November)
Major Source: Aircraft
Location: U.S.A.: Portland, Oregon
Sample Size: 303
Noise Level: Not Available
CATALOG (Continued)

Reports: Yaden and West, 1972
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Yaden
107 N.W. 5th Ave
Portland, Oregon 97209

Study Number: USA-066
Title: 1972 BART Residential Impact Survey
Date: 1972
Major Source: Suburban railway system (Bay Area Rapid Transit System)
Location: U.S.A.: San Francisco area
Sample Size: 2541
Noise Level: Not available
Reports: Appleyard and Carp, 1973
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The survey is part of a larger assessment project which includes a number of types of interview samples.
Contact: Dr. Donald Appleyard
Dept. of Landscape Architecture
University of California
Berkley, California 94720

Study Number: USA-067
Title: 1972 Boulder Community Noise Survey
Date: 1972
Major Source: Community Noise
Location: U.S.A.: Boulder, Colorado
Sample Size: 917
Noise Level: Not available
Reports: Chanaud, 1972
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys listed by Wyle, 1977 (A19).
Contact: Dr. Robert C. Chanaud
Engineering Dynamics, Inc.
6651 So. Wellington Ct.
Littleton, Colorado 80121
CATALOG (Continued)

Study Number: USA-068
Title: 1972 College Park Community Noise Survey
Date: 1972
Major Source: Community Noise
Location: U.S.A.: College Park, Georgia
Sample Size: 280
Noise Level: Available
Reports: Lambert et al., 1973
Methods: Fixed format questionnaire.
Resident of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys listed by Wyle, 1977 (A34).
Contact: Dr. C.R. Bragdon
Dept. of City Planning
Georgia Institute of Technology
Atlanta, Georgia 30322

Study Number: USA-069
Title: 1972 Minneapolis Freeway Noise Barrier Study
Date: 1972 (June to August): 1973 (July, August)
Major Source: Expressway noise
Location: U.S.A.: Interstate Highway I-35W at Minnehaha Creek in Minneapolis, Minnesota
Sample Size: 272
Noise Level: Available
Reports: Lambert and Bouchard, 1974
Lambert, 1978
Methods: Fixed format questionnaire.
Resident of area interviewed.
Face-to-face interviews.
Interviews were carried out in the same area before (1972) and after (1973) a barrier was introduced.
Comments: The 1970 Minneapolis Freeway Noise Study (USA-047) was conducted in the same area.
Contact: Mr. R.M. Canner
Office of Research and Development
Minnesota Dept. of Transportation
State of Minnesota
St. Paul, Minnesota 55155

Study Number: USA-070
Title: 1972 Eastern U.S.A. Four Community Highway Noise Survey
Date: 1972
Major Source: Freeways
Location: U.S.A.: 4 communities; Bogota (New Jersey), Towson (Maryland), North Springfield (Virginia),
CATALOG (Continued)

Rosedale (Maryland)

Sample Size: 1114
Noise Level: Available

Reports: Gamble et al., 1973
Gamble et al., 1974

Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: Part of a study which also related property values to noise level.
This study was cited in the list of surveys used by Wyle, 1977 (A28).

Contact: Dr. H. B. Gamble
Institute for Research on Land & Water Resources
Land and Water Research Building
Pennsylvania State University
University Park, Pa. 16802

Study Number: USA-081
Title: Boulder Newspaper Community Noise Survey
Date: 1972 Publication (Date of survey not determined)

Major Source: Community
Location: U.S.A.: Boulder (Colorado)
Sample Size: 215
Noise Level: Not available

Reports: Chanaud, 1972

Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Questionnaire responses were solicited on a form in the Boulder Camera newspaper. Anyone who wanted to answer mailed in a response.

Comments: NONE

Contact: Dr. Robert C. Chanaud
Engineering Dynamics, Inc.
6651 So. Wellington Ct.
Littleton, Colorado 80121

Study Number: USA-082
Title: 1973 Los Angeles Airport Night Study
Date: 1973 (April to June)

Major Source: Aircraft
Location: U.S.A.: Los Angeles International Airport
Sample Size: 1417 interviews, from 940 respondents
Noise Level: Available (5 dB steps)

Reports: Fidell and Jones, 1975

Methods: Telephone
Fixed format questionnaire.
Residents of area interviewed.
Some of the sample members were interviewed once before and then reinterviewed two times after late night flights were changed over their homes.

Comments: Interviews in both English and Spanish.
The study attempted to assess the effect of a reduction in nighttime noise exposure.
This study was cited in the list of surveys used by Schultz, 1978.

Contact: Dr. Sanford Fidell
Bolt Beranek & Newman, Inc.
P.O. Box 633
Canoga Park, Ca. 91305

Study Number: USA-083
Title: 1973 LAX Airport Noise Study
Date: 1973 (December)
Major Source: Aircraft
Location: U.S.A.: Los Angeles International Airport
Sample Size: 880
Noise Level: Not available
Reports: Olson Laboratories Ltd., 1976
Opinion Research of California, 1975
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A45).
Contact: Dr. Gary Allen
Systems Control
1440 6A South State College Blvd.
Anaheim, California 92806

Study Number: USA-084
Title: 1973 J.F.K. Airport Noise Study
Date: 1973 (Autumn)
Major Source: Aircraft
Location: U.S.A.: John F. Kennedy airport in New York City
Sample Size: 1059
Noise Level: Not available
Reports: Borsky, 1974 CR 142108
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The primary purpose of field program was to recruit
Contact: Mr. Paul Borsky
School of Public Health
Columbia University
New York, N. Y. 10027

Study Number: USA-085
Title: 1973 Seattle-Tacoma Airport Noise Study
Date: 1973 (May-July)
Major Source: Aircraft
Location: U.S.A.: Seattle-Tacoma International Airport
Sample Size: 716
Noise Level: Available for 285 respondents (continuous)
Reports: Fiedler and Fiedler, 1974
Hughes and Mabry, 1976
Fiedler and Fiedler, 1975
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A5).
Contact: Judith Fiedler
University of Washington
Seattle, Washington

Study Number: USA-088
Title: 1973 U.S.C. Los Angeles Freeway Noise Study
Date: 1973 (July) to 1974 (January)
Major Source: Freeway noise
Location: U.S.A.: Los Angeles
Sample Size: 696 from main sample (An additional 59 interviews from new freeway sites were not analyzed.)
Noise Level: Available (continuous)
Reports: Small, Jenkins, and Carroll, 1976
Jenkins and Pahl, 1975
Small et al., 1974
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys listed by Wyle, 1977 (A32).
Contact: Dr. Arnold Small
Research Center
Institute of Safety and Systems Management
University of Southern California
Los Angeles, California 90007
Study Number: USA-089  
Title: Portland-Multnomah Community Noise Survey  
Date: 1973 (September-November)  
Major Source: Community  
Location: U.S.A.: City of Portland and Multnomah County (Oregon)  
Sample Size: 659  
Noise Level: Not available  
Reports: MAN, 1975  
Methods: Fixed format questionnaire.  
Residents of area interviewed.  
Face-to-face interviews.  
Cross-sectional study design.  
Comments: This study was cited in the list of surveys listed by Wyle, 1977 (A38).  
Contact: Mr. James Mabry  
MAN-Acoustics and Noise Inc.  
2105 North 45th  
Seattle, Washington 98103

Study Number: USA-090  
Title: 1973 E.P.A. Community Noise Questionnaire Pilot Study  
Date: 1973  
Major Source: Community, Airport  
Location: U.S.A.: Los Angeles, New York  
Sample Size: 179  
Noise Level: Available  
Reports: Sutherland, Braden and Coleman, 1973  
Methods: Fixed format questionnaire.  
Residents of area interviewed.  
Face-to-face interviews.  
Cross-sectional study design.  
Comments: The study was carried out in four diverse types of areas to provide the first test of a questionnaire intended for general use by the E.P.A.  
This study was cited in the list of surveys used by Wyle, 1977 (A52).  
Contact: Louis C. Sutherland  
Wyle Laboratories  
128 Maryland St.  
El Segundo, California 90245

Study Number: USA-091  
Title: 1973 Test of Real Time, Personal Annoyance Monitoring Devices  
Date: 1973  
Major Source: Community, Aircraft  
Location: U.S.A.: Los Angeles  
Sample Size: 11  
Noise Level: Available (continuous)
CATALOG (Continued)

Reports: Fidell, Jones and Pearsons, 1973
Methods: Face-to-face interviews.
Fixed format questionnaire.
Residents of area interviewed.
The main data collection technique was for respondents to indicate their degree of annoyance with each noise event on a wrist worn F.M. transmitter. The transmitter signal made a mark on the noise recording. A summary questionnaire was also used.
Comments: Some subjects also described each noise event using a portable microphone.
Contact: Dr. Sanford Fidell
Bolt Beranek & Newman, Inc.
P.O. Box 633
Canoga Park, Ca. 91305

Study Number: USA-095
Title: U.S. Census Bureau Annual Housing Surveys
Date: Yearly 1973 to present (1980)
Major Source: Community, Aircraft
Location: U.S.A.: National sample and selected SMSA's.
Sample Size: Approximately 70,000 national representative interviews per year.
Noise Level: Not available
Reports: Annual Housing Survey (Each year from 1974 to 1977)
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
National sample interviews are repeated in the same housing unit each year.
Comments: In addition to the national sample of approximately 70,000 people there are Special Standard Metropolitan Area (SMSA) surveys of approximately 5,000 to 15,000 interviews in each of approximately 15 to 20 different metropolitan areas each year. The wording of the questions has changed somewhat over the years. Only two questions are asked about reactions to noise.
Contact: Housing Division
Current Surveys Branch
U.S. Bureau of the Census
Washington, D. C. 20233

Study Number: USA-096
Title: 1974 Fort Campbell Area Helicopter Noise Survey
Date: 1974
Major Source: Helicopters
Location: U.S.A.: Near Fort Campbell, Kentucky-Tennessee
Sample Size: 213
CATALOG (Continued)

Noise Level: Predicted as a function of distance, helicopter
type and flight frequency but not linked to survey
responses in published analyses.
Reports: Broderson and Edwards, 1976
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This survey evaluated proposed low-altitude flights
over 2500 square miles of land surrounding Fort
Campbell.
Contact: Mr. A. B. Broderson
Watkins & Associates, Inc.
446 East High Street
Lexington, Kentucky 40588

Study Number: USA-102
Title: 1974 U.S.A. 24 Site Community Noise Survey
Date: 1974 Spring
Major Source: Community noise (neighborhood as well as road traffic)
Location: U.S.A.: 24 sites in Seven cities
Sample Size: 2037
Noise Level: Available (continuous)
Reports: Fidell, 1978
Fidell, 1977
Galloway, 1977
Simpson et al. 1974
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Telephone interviews were used for most
(1834) respondents. There were 203 personal
interviews.
Comments: This study was cited in the list of surveys used
by Wyle, 1977 (A9), and Schultz, 1978.
Contact: Dr. Sanford Fidell
Bolt Beranek and Newman, Inc.
P.O. Box 633
Canoga Park, California 91305

Study Number: USA-103
Title: 1974 Capital Beltway Survey
Date: 1974
Major Source: Freeway noise
Location: U.S.A.: suburb of Washington, D.C.
Sample Size: 149
Noise Level: Not available
Reports: Humphrey, Bradshaw and Krout, 1978
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.

Comments: NONE

Contact: Dr. Craig R. Humphrey
Pennsylvania State University
University Park, Pennsylvania

Study Number: USA-104
Title: 1974 Boston Economic Impact Pretest
Date: 1974
Major Source: Road Traffic
Location: U.S.A.: Boston Metropolitan Area
Sample Size: 60
Noise Level: Not available
Reports: Thorpe and Holmes, 1976
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The testing of the questionnaire was part of a larger project to develop a questionnaire which would measure the economic welfare effects of noise. This study was cited in the list of surveys used by Wyle, 1977 (A53).
Contact: Dr. Rodney Thorpe
Q.E.I. Inc.
119 The Great Road
Bedford, Massachusetts 01730

Study Number: USA-105
Title: 1974 San Francisco Livable Streets Survey
Date: 1974 (June)
Major Source: Traffic
Location: U.S.A.: San Francisco
Sample Size: 450
Noise Level: Not available
Reports: Appleyard, et al., 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. Donald Appleyard
Institute of Urban and Regional Development
University of California
Berkley, California 94720
Study Number: USA-110
Title: 1975 J.F.K. Airport Noise Survey
Date: 1975 (Autumn)
Major Source: Aircraft
Location: U.S.A.: John F. Kennedy Airport in New York City
Sample Size: 1294
Noise Level: Not Available
Reports: Borsky, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Survey conducted as part of laboratory study program.
Contact: Mr. Paul Borsky
School of Public Health
Columbia University
New York, N.Y. 10027

Study Number: USA-117
Title: 1975 Boulder Noise Survey
Date: 1975
Major Source: Community
Location: U.S.A.: Boulder (Colorado)
Sample Size: 184
Noise Level: Available
Reports: Gourdin, 1975
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: This study was cited in the list of surveys used by Wyle, 1977 (A63).
Contact: Mr. David Gourdin
Colorado Dept. of Health
Radiation and Hazardous Waste Control Division
4210 East 11th Ave
Denver, Colorado 80220

Study Number: USA-127
Title: 1976-77 Dulles Concorde Noise Study
Date: 1976 (May, December): 1977 (May)
Major Source: Aircraft
Location: U.S.A.: Dulles International Airport (Washington, D.C.)
Sample Size: 5291 spread over three waves
Noise Level: Not Available (High, medium, low, unimpacted)
Reports: F.A.A., 1977
Committee on Community Reactions to Concorde, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed. Interviewing was conducted at three times before and after the Concorde introduction. Different people were interviewed in each wave. All interviews were by telephone.

Comments: NONE
Contact: William T. Shepherd
AEE-110
F.A.A.
800 Independence Ave. S.W.
Washington, D.C. 20591

Study Number: USA-128
Title: 1976 Orange County Airport Noise Survey
Date: 1976
Major Source: Aircraft
Location: U.S.A.: Orange County, California
Sample Size: 666
Noise Level: Single analysis groups span as much as a 20 CNEL range.
Reports: POS Associates, 1976
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: The 1976 study was prepared for the Orange County Board of Supervisors. Some of this 1976 questionnaire was also used in the 1977 Orange County Airport Survey, (USA-145). This study was cited in the surveys used by Wyle, 1977 (A45).
Contact: Ken Caines, Director
POS Associates
1720 N. Broadway
Santa Ana, California 92706

Study Number: USA-129
Title: Albany and Louisville Aircraft Fear Study
Date: 1976 (June, July in Albany)
Major Source: Aircraft
Location: U.S.A.: Albany, New York and Louisville, Kentucky
Sample Size: 200
Noise Level: Available
Reports: Loeb, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Interviews were conducted both in areas near and distant from a plane crash site at each airport.
CATALOG (Continued)

Contact: Dr. Michael Loeb
Psychology Dept. and Performance Research Laboratory
University of Louisville
Louisville, Kentucky 40208

Study Number: USA-143
Title: 1977-78 Three-phase J.F.K. Concorde Noise Study
Date: 1977 (October, November): 1978 (May, June): 1978
(August, September)
Major Source: Aircraft
Location: U.S.A.: John F. Kennedy Airport in New York City
Sample Size: Approximately 5800 interviews from approximately 2400 people
Noise Level: Not available
Reports: Borsky, 1978
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
Many respondents were interviewed in the two repeated
interview waves after the Concorde began to operate. Some
were interviewed by telephone in repeated interviews.
Comments: Reactions were measured before and after Concorde began
to operate. Some interviews were carried out to test for
reinterviewing and face-to-face vs. telephone interviewing
effects.
Contact: Mr. Paul Borsky
School of Public Health
Columbia University
New York, N.Y. 10027

Study Number: USA-144
Title: 1977-78 F.A.A. J.F.K. Concorde Noise Study
Date: 1977 (January, to April): 1978 (January, February)
Major Source: Aircraft
Location: U.S.A.: John F. Kennedy airport in New York City
Sample Size: 2020
Noise Level: Available (continuous)
Reports: F.A.A., 1979
Methods: Fixed format questionnaire.
Residents of area interviewed.
Telephone interviews were carried out in communities
before and after Concorde was introduced.
Comments: Measured reactions before and after Concorde began
to operate.
Contact: William T. Shepherd
AEE-110
F.A.A.
800 Independence Ave S.W.
Washington, D.C. 20591
CATALOG (Continued)

Study Number: USA-145
Title: 1977 Orange County Airport Noise Study
Date: 1977 (January)
Major Source: Aircraft
Location: U.S.A.: Orange County California
Sample Size: 400
Noise Level: Available for 200 people near the airport (5 dB steps)
Reports: Opinion Research of California, 1977
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: Some of the questionnaire was planned for comparison with
the 1976 Orange County Airport survey. The 1977 study was
prepared for the City of Newport Beach.
Contact: Mr. Don Weddle
Opinion Research of California
917 Pine Ave.
Long Beach, California 90813

Study Number: USA-154
Title: 1977 Youngmann Highway Noise Abatement Study
Date: 1977 (August)
Major Source: Expressway noise
Location: U.S.A.: Interstate Highway-290 in Amherst (Buffalo),
New York
Sample Size: 160
Noise Level: Available (continuous)
Reports: McColl, 1979
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
(plans for later follow up survey after a barrier
is constructed)
Comments: NONE
Contact: Dr. William McColl
State Campus Building 5-524
Albany, New York 12232

Study Number: USA-155
Title: 1977 Minnesota Five-site Freeway Noise Barrier Study
Date: 1977-1978
Major Source: Freeway noise
Location: U.S.A.: 19 study areas in the Minneapolis-St. Paul vicinity
Sample Size: 756 questionnaires in the follow up survey, a smaller
number in the original survey
332 mail questionnaires returned
CATALOG (Continued)

Noise Level: Not available
Reports: Orlich, 1979
   Minneapolis-St. Paul Metropolitan Area Noise Barrier
   Attitude Survey, 1980
Methods: Fixed format questionnaire.
   Residents of area interviewed.
   A mail questionnaire was used. In four areas residents
   were surveyed both before and after the barrier was
   constructed. In the remaining 15 areas, residents were
   only surveyed after the barrier had been constructed.
Comments: NONE
Contact: Mr. Ronald M. Canner Jr.
   Transportation Building, Room G-29D
   Minnesota Dept. of Transportation
   St. Paul, Mn. 55155

Study Number: USA-156
Title: 1977 Ohio New Highway Survey
Date: 1977
Major Source: Road Traffic
Location: U.S.A.: Residents of one neighborhood in Ohio
Sample Size: 163 interviews in the first phase, 131 in the second phase
Noise Level: Not available
Reports: Weinstein, 1980
Methods: Fixed format questionnaire.
   Face-to-face interviews.
   Residents of area interviewed.
Comments: People were interviewed 3 months before a new highway
   opened and then reinterviewed 4 months after it opened.
Contact: Dr. N.D. Weinstein
   Dept. of Human Ecology and Social Sciences
   Cook College
   Rutgers University
   New Brunswick, New Jersey 08903

Study Number: USA-166
Title: 1978 Salt Lake Airport Noise Study
Date: 1978 (May)
Major Source: Aircraft
Location: U.S.A.: Salt Lake City (4 areas)
Sample Size: 353
Noise Level: Available (5 dB steps)
Reports: Systems Control, 1978
Methods: Fixed format questionnaire.
   Residents of area interviewed.
   Cross-sectional study design.
Comments: NONE
Contact: Mr. Tom Fitzwater
Study Number: USA-167
Title: U.S.A. Helicopter Survey of Selected Occupations
Date: 1978 (November), 1979 (February)
Major Source: Helicopters
Location: U.S.A.
Sample Size: 272
Noise Level: Not Available
Reports: Edwards et al., 1979
Edwards et al., 1980
Methods: Fixed format questionnaire.
        Cross-sectional study design.
        Respondents may have responded to reactions while
        at work as well as at home. Mail questionnaire.
Comments: Questionnaires were sent to wild life refuge
           managers, forest service employees, postmasters,
           and national park superintendents. Information
           about their perceptions of other people's responses
           was also sought.
Contact: Dr. Richard G. Edwards
        Watkins & Associates, Inc.
        446 East High Street
        P.O. Box 951
        Lexington, Kentucky 40588

Study Number: USA-170
Title: 1978 U.S. Army Impulse Noise Survey
Date: 1978 (July-September)
Major Source: Artillery, Helicopters
Location: U.S.A.: Vicinity of Ft. Bragg
Sample Size: 2147
Noise Level: Available for some noise sources
Reports: Schomer, 1979
        Schomer, 1981
Methods: Fixed format questionnaire.
        Residents of area interviewed.
        Face to-face interviews.
        Cross-sectional study design.
Comments: This study was cited in the list of surveys used
Contact: Dr. Paul Schomer
        U.S. Army Corps of Engineers
        Construction Engineering Research Lab
        Champaign, Ill. 61820
CATALOG (Continued)

Study Number: USA-171
Title: 1978 Spokane Community Noise Survey
Date: 1978
Major Source: Community
Location: U.S.A.: Spokane County
Sample Size: 761
Noise Level: Not Available
Reports: Perdue, 1979
Perdue and Coates, 1979
Methods: Fixed format questionnaire.
Residents of area interviewed.
Face-to-face interviews.
Cross-sectional study design.
Comments: NONE
Contact: Dr. W. Perdue
Dept of Sociology
Eastern Washington University
Cheney, Washington

Study Number: USA-172
Title: 1978 Kentucky Urban Noise Survey
Date: 1978
Major Source: Community
Location: U.S.A.: Kentucky (20 sites)
Sample Size: 845
Noise Level: Not available. Measurements made in the cities but data are not available for individual respondents.
Reports: Broderson, et al., 1979
Broderson, Edwards, McCoy, Coakley, 1981
Methods: Fixed format questionnaire.
Face-to-face interviews.
Residents of area interviewed.
Cross-sectional study design.
Comments: Self-administered questionnaires
Contact: Dr. A.B. Broderson
Watkins and Associates, Inc.
446 East High Street
Lexington, Kentucky 40588

Study Number: USA-179
Title: 1979 Oklahoma City Airport Noise Survey
Date: 1979, February
Major Source: Aircraft
Location: U.S.A.: Seven areas near Will Rogers World Airport (Oklahoma City).
Sample Size: 406
Noise Level: Available for some areas in 10-15 dB steps
Reports: Systems Control, 1979
Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Interviews were conducted by telephone.

Mr. Tom Fitzwater
CM2H Hill
1301 Dove St., Suite 800
Newport Beach, California 92660

Study Number: USA-183
Title: 1979 Salt Lake City Community Noise Survey
Date: 1979 (Summer)

Community
U.S.A.: Probability Sample of Salt Lake City
451
Not available
Fricks, 1980
Face-to-face interviews.
Cross-sectional study design.

Ms. Patti Fricks
o/o Harry L. Gibbons
Salt Lake City-County Health Dept.
610 South 2nd East
Salt Lake City, Utah 84111

Study Number: USA-186
Title: 1980 Bradley International Airport Noise Survey
Date: 1980 (February)

Aircraft
U.S.A.: Connecticut around Bradley Airport
343
Available (3 noise zones)
CH2M Hill, 1980
Cross-sectional study design.
Respondents were interviewed by telephone.

Mr. Tom Fitzwater
CH2M Hill
1301 Dove St., Suite 800
Newport Beach, California 92660
Study Number: USA-191
Title: 1979 Philadelphia Aircraft Noise Survey
Date: 1979 (November, December)
Major Source: Aircraft, Community
Location: USA: Within 20 miles of Philadelphia International Airport
Sample Size: 1723
Noise Level: Responses are not related to noise level
Reports: Effects of Airport Noise..., 1980
Methods: Fixed format questionnaire.
Residents of area interviewed.
Cross-sectional study design.
Telephone interviews
Comments: NONE
Contact: William T. Shepard
AEE-110
F.A.A.
800 Independence Ave.
Washington, D.C. 20591

Study Number: USR-042
Title: USSR 22 Settlement Aircraft Noise Survey
Date: 1969 Publication (Date of survey not determined)
Major Source: Aircraft
Location: U.S.S.R.: 22 Settlements
Sample Size: Over 2000
Noise Level: Availability of noise data not determined
Reports: Karagodina, et al., 1969
Methods: Residents of area interviewed.
Fixed format questionnaire.
Comments: NONE
Contact: Dr. I.L. Karagodina
Erisman Research Institute of Hygiene
Moscow
U.S.S.R.

Study Number: YUG-141
Title: Two Area Belgrade Aircraft Noise Study
Date: 1976 Publication (Date of survey not determined)
Major Source: Aircraft
Location: Yugoslavia: Two settlements near Belgrade airport
Sample Size: (Not known)
Noise Level: Available
Reports: Pravica, 1976
Methods: (NOT KNOWN)
Comments: NONE
Contact: Dr. Petar Pravica
Faculty of Electrical Engineering
Bulevar Revolucije 73
11000 Belgrade
Yugoslavia
NOISE SOURCE INDEX

In this index each survey is listed by noise source(s) and then within noise source category by country. The nine noise sources are Aircraft, Community, Construction, Expressway, Industry, Interior (noise from attached dwelling units), Railway (includes all tracked transit systems), Road, and Miscellaneous. The classification by noise source category is based on the extent of information available about both the reactions and the noise environment for the particular source. This means that a survey is only listed under a single noise source heading when the standard survey approach is followed of focusing many questions on only one noise source but including a single short question about each other noise source. In the index the study code precedes each survey's title.

This index is presented on the next seven pages.
### NOISE SOURCE INDEX

#### AIRCRAFT NOISE

<table>
<thead>
<tr>
<th>Country</th>
<th>Study Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AUSTRALIA</strong></td>
<td></td>
</tr>
<tr>
<td>AUL-036</td>
<td>1969 Sydney Airport Noise Survey</td>
</tr>
<tr>
<td><strong>BELGIUM</strong></td>
<td></td>
</tr>
<tr>
<td>BEL-151</td>
<td>1977-78 Belgium Four Airport Noise Survey</td>
</tr>
<tr>
<td><strong>CANADA</strong></td>
<td></td>
</tr>
<tr>
<td>CAN-055</td>
<td>1971 Dorval Aircraft Noise Survey</td>
</tr>
<tr>
<td>CAN-078</td>
<td>1972 Calgary Noise Survey</td>
</tr>
<tr>
<td>CAN-168</td>
<td>1978 Canadian Four Airport Survey</td>
</tr>
<tr>
<td>CAN-174</td>
<td>1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)</td>
</tr>
<tr>
<td>CAN-181</td>
<td>1979 Canadian Three Airport General Aviation Study</td>
</tr>
<tr>
<td><strong>DENMARK</strong></td>
<td></td>
</tr>
<tr>
<td>SWE-035</td>
<td>Scandinavian Nine Airport Noise Study</td>
</tr>
<tr>
<td><strong>FRANCE</strong></td>
<td></td>
</tr>
<tr>
<td>FRA-016</td>
<td>1965 Four French Airport Noise Study</td>
</tr>
<tr>
<td>FRA-017</td>
<td>1965 Regional French Sonic Boom Survey</td>
</tr>
<tr>
<td>FRA-045</td>
<td>1970 French Sonic Boom Survey</td>
</tr>
<tr>
<td>FRA-056</td>
<td>1971 Orly Aircraft Noise Survey</td>
</tr>
<tr>
<td>FRA-087</td>
<td>1973 St. Cyr L'Ecole General Aviation Noise Survey</td>
</tr>
<tr>
<td>FRA-098</td>
<td>1974-75 Roissy Airport Before-After Opening Noise Survey</td>
</tr>
<tr>
<td>FRA-099</td>
<td>1974 French National Aircraft Noise Survey</td>
</tr>
<tr>
<td>FRA-113</td>
<td>1975 Orly Airport Noise Study</td>
</tr>
<tr>
<td>FRA-131</td>
<td>1976 Orly Medical Study Test</td>
</tr>
<tr>
<td>FRA-146</td>
<td>1977 French Light Aircraft Study</td>
</tr>
<tr>
<td>FRA-150</td>
<td>1977 Roissy Airport Survey</td>
</tr>
<tr>
<td>FRA-189</td>
<td>1971 French Concorde Sonic Boom Study</td>
</tr>
<tr>
<td><strong>GERMANY</strong></td>
<td></td>
</tr>
<tr>
<td>GER-034</td>
<td>1969 Munich Airport Noise (DFG Aircraft Noise Study)</td>
</tr>
<tr>
<td>GER-037</td>
<td>1969 Meppen Sonic Boom Field Experiment</td>
</tr>
<tr>
<td>GER-114</td>
<td>1975 German General Aviation Survey</td>
</tr>
<tr>
<td>GER-134</td>
<td>1976 Hamburg Urban Noise Survey</td>
</tr>
<tr>
<td><strong>JAPAN</strong></td>
<td></td>
</tr>
<tr>
<td>JPN-163</td>
<td>1972 Itami City Osaka Aircraft Noise Study</td>
</tr>
<tr>
<td>JPN-018</td>
<td>1965 Osaka Aircraft Noise Survey</td>
</tr>
<tr>
<td>JPN-046</td>
<td>1970 Yokota Airbase Study</td>
</tr>
<tr>
<td>JPN-062</td>
<td>1972 Akishima City Aircraft Noise Survey</td>
</tr>
<tr>
<td>JPN-152</td>
<td>1977 Atugi Military Aircraft Noise Study</td>
</tr>
<tr>
<td><strong>NETHERLANDS</strong></td>
<td></td>
</tr>
<tr>
<td>NET-013</td>
<td>1964 Schiphol Airport Survey</td>
</tr>
<tr>
<td>NET-115</td>
<td>1975 Schiphol and Marssum Aircraft Noise Surveys</td>
</tr>
<tr>
<td>NET-149</td>
<td>1977 Schiphol and Marssum Sound Insulation Survey</td>
</tr>
<tr>
<td>NET-193</td>
<td>1976 Netherlands Military Airfield Noise Study</td>
</tr>
<tr>
<td>NET-196</td>
<td>1978 Dutch Homes for the Aged Environmental Noise Study</td>
</tr>
<tr>
<td><strong>NORWAY</strong></td>
<td></td>
</tr>
<tr>
<td>SWE-035</td>
<td>Scandinavian Nine Airport Noise Study</td>
</tr>
<tr>
<td><strong>POLAND</strong></td>
<td></td>
</tr>
<tr>
<td>POL-198</td>
<td>1974 Warsaw Aircraft Noise Survey</td>
</tr>
<tr>
<td><strong>SOUTH AFRICA</strong></td>
<td></td>
</tr>
<tr>
<td>SAF-028</td>
<td>1968 South Africa Preliminary Aircraft Noise Survey</td>
</tr>
</tbody>
</table>
NOISE SOURCE INDEX (Aircraft Noise Continued)

**SWEDEN**
- SWE-011 1963 Linkoping Airport Noise Study
- SWE-035 Scandinavian Nine Airport Noise Study
- SWE-054 Transget Sweden Sonic Boom Study
- SWE-108 Burgsvik Sweden Sonic Boom Study

**SWITZERLAND**
- SWI-053 1971 Three City Swiss Noise Survey
- SWI-180 1979 Swiss General Aviation Survey

**UNITED KINGDOM**
- UKD-008 1961 Heathrow Aircraft Noise Survey (First Heathrow Survey)
- UKD-010 1963 Welsh Village Impulse Noise (Exercise Yellow Hammer)
- UKD-024 1967 Heathrow Aircraft Noise Study (2nd Heathrow Survey)
- UKD-033 1969 Mixed Road and Aircraft Noise Survey
- UKD-052 1971 Gatwick Airport Noise Survey
- UKD-061 1972 Heathrow Airport Noise Pilot Survey
- UKD-086 1973 Kew Aircraft Noise Survey
- UKD-097 1974 English Aircraft Noise Postal Survey
- UKD-111 1975 English Mental Health Pilot Survey
- UKD-112 Luton In-migrants Aircraft Noise Survey
- UKD-130 1976 Heathrow Concorde Noise Survey
- UKD-147 1977 Heathrow Night-time Pilot Survey
- UKD-148 1977 Heathrow Psychiatric Morbidity Survey
- UKD-182 1979 Heathrow and Gatwick Sleep Study (Aircraft Noise and Sleep Disturbance)

**UNITED STATES OF AMERICA**
- USA-004 1953 U.S.A. Eight Airport Noise Study
- USA-006 1957 U.S.A. Air Force Base Noise Study
- USA-007 1961 St. Louis Sonic Boom Study
- USA-012 1964 Oklahoma City Sonic Boom Study
- USA-022 1967 U.S.A. Four Airport Survey (Phase I of TRACOR Survey)
- USA-023 1967-68 SR-71 Supersonic Aircraft Noise Study
- USA-027 1968 LAX Airport Noise Study
- USA-031 1969 LAX Airport Noise Study
- USA-032 1969 U.S.A. Three Airport Survey (Phase II TRACOR Survey)
- USA-044 1970 U.S.A. Small City Airports (Small City TRACOR survey)
- USA-048 1970 C.R.P. Inglewood Community Noise Survey
- USA-051 1971 J.F.K. Dynamic Preferential Runway System Survey
- USA-059 1972 J.F.K. Airport Noise Survey
- USA-060 1972 Portland Northshore Aircraft Survey
- USA-082 1973 Los Angeles International Airport Noise Study
- USA-083 1973 LAX Airport Noise Study
- USA-084 1973 J.F.K. Airport Noise Study
- USA-085 1973 Seattle-Tacoma Airport Noise Study
- USA-090 1973 E.P.A. Community Noise Questionnaire Pilot Study
- USA-091 1973 Test of Real Time, Personal Annoyance Monitoring Devices
- USA-095 U.S. Census Bureau Annual Housing Surveys
- USA-096 1974 Fort Campbell Area Helicopter Noise Survey
- USA-110 1975 J.F.K. Airport Noise Survey
- USA-127 Dulles Concorde Noise Study
- USA-128 1976 Orange County Airport Noise Survey
<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA-129</td>
<td>Albany and Louisville Aircraft Fear Study</td>
</tr>
<tr>
<td>USA-143</td>
<td>J.F.K. Concorde Noise Study</td>
</tr>
<tr>
<td>USA-144</td>
<td>F.A.A. J.F.K. Concorde Noise Study</td>
</tr>
<tr>
<td>USA-145</td>
<td>1977 Orange County Airport Noise Study</td>
</tr>
<tr>
<td>USA-166</td>
<td>1978 Salt Lake Airport Noise Study</td>
</tr>
<tr>
<td>USA-167</td>
<td>U.S.A. Helicopter Survey of Selected Occupations</td>
</tr>
<tr>
<td>USA-170</td>
<td>1978 U.S. Army Impulse Noise Survey</td>
</tr>
<tr>
<td>USA-179</td>
<td>1979 Oklahoma City Airport Noise Survey</td>
</tr>
<tr>
<td>USA-186</td>
<td>1980 Bradley International Airport Noise Survey</td>
</tr>
<tr>
<td>USA-191</td>
<td>1979 Philadelphia Aircraft Noise Survey</td>
</tr>
</tbody>
</table>

**UNION OF SOVIET SOCIALIST REPUBLICS**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>USR-042</td>
<td>USSR 22 Settlement Aircraft Noise Survey</td>
</tr>
</tbody>
</table>

**YUGOSLAVIA**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>YUG-141</td>
<td>Two Area Belgrade Aircraft Noise Study</td>
</tr>
</tbody>
</table>

**COMMUNITY NOISE**

**CANADA**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN-076</td>
<td>1972 London and Woodstock Community Noise Survey</td>
</tr>
<tr>
<td>CAN-077</td>
<td>1972 Edmonton Community Noise Survey</td>
</tr>
<tr>
<td>CAN-078</td>
<td>1972 Calgary Noise Survey</td>
</tr>
<tr>
<td>CAN-079</td>
<td>1972 Toronto Community Noise Survey</td>
</tr>
<tr>
<td>CAN-121</td>
<td>1975-76 Southern Ontario Community Survey</td>
</tr>
<tr>
<td>CAN-174</td>
<td>1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)</td>
</tr>
</tbody>
</table>

**JAPAN**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPN-138</td>
<td>1976 Kanagawa Ward Community Noise Survey</td>
</tr>
<tr>
<td>JPN-177</td>
<td>1978 Kanagawa Ward Community Noise Survey</td>
</tr>
</tbody>
</table>

**PUERTO RICO**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUR-188</td>
<td>San Juan Community Noise Survey</td>
</tr>
</tbody>
</table>

**UNITED KINGDOM**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UKD-001</td>
<td>1943 British Home Noise Survey</td>
</tr>
<tr>
<td>UKD-076</td>
<td>1972 London and Woodstock Community Noise Survey</td>
</tr>
<tr>
<td>UKD-132</td>
<td>1976 Darlington Quiet Town Survey</td>
</tr>
<tr>
<td>UKD-160</td>
<td>1977 Hampshire Village Noise Study</td>
</tr>
<tr>
<td>UKD-199</td>
<td>1978 Darlington Quiet Town Survey</td>
</tr>
</tbody>
</table>

**UNITED STATES OF AMERICA**

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Study Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA-020</td>
<td>1966 Three U.S.A. City Study</td>
</tr>
<tr>
<td>USA-039</td>
<td>San Francisco Three Street Pilot Study</td>
</tr>
<tr>
<td>USA-040</td>
<td>1969 Inglewood Community Noise Survey</td>
</tr>
<tr>
<td>USA-048</td>
<td>1970 C.R.P. Inglewood Community Noise Survey</td>
</tr>
<tr>
<td>USA-058</td>
<td>Philadelphia Community Noise Survey</td>
</tr>
<tr>
<td>USA-067</td>
<td>1972 Boulder Community Noise Survey</td>
</tr>
<tr>
<td>USA-068</td>
<td>1972 College Park Community Noise Survey</td>
</tr>
<tr>
<td>USA-081</td>
<td>Boulder Newspaper Community Noise Survey</td>
</tr>
<tr>
<td>USA-089</td>
<td>Portland-Multnomah Community Noise Survey</td>
</tr>
<tr>
<td>USA-090</td>
<td>1973 E.P.A. Community Noise Questionnaire Pilot Study</td>
</tr>
<tr>
<td>USA-091</td>
<td>1973 Test of Real Time, Personal Annoyance Monitoring Devices</td>
</tr>
<tr>
<td>USA-095</td>
<td>U.S. Census Bureau Annual Housing Surveys</td>
</tr>
<tr>
<td>USA-102</td>
<td>1974 U.S.A. 24 Site Community Noise Survey</td>
</tr>
<tr>
<td>USA-117</td>
<td>1975 Boulder Noise Survey</td>
</tr>
</tbody>
</table>
NOISE SOURCE INDEX (Community Noise Continued)

USA-171  1978 Spokane Community Noise Survey
USA-172  1978 Kentucky Urban Noise Survey
USA-183  1979 Salt Lake City Community Noise Survey
USA-191  1979 Philadelphia Aircraft Noise Survey

CONSTRUCTION NOISE

GERMANY
GER-134  1976 Hamburg Urban Noise Survey

UNITED KINGDOM
UKD-074  1972 London Construction Site Survey

EXPRESSWAY NOISE

FRANCE
FRA-019  1965 Paris Expressway Noise Survey

SWEDEN
SWE-026  1967 Huddinge New Motorway Study

SWITZERLAND
SWI-159  Swiss N-3 Motorway Study

UNITED KINGDOM
UKD-073  1972 Birmingham New Motorway Study

UNITED STATES OF AMERICA
USA-043  Los Angeles Freeway Five Site Study
USA-047  1970 Minneapolis Freeway Noise Study
USA-069  1972 Minneapolis Freeway Noise Barrier Study
USA-070  1972 Eastern U.S.A. Four Community Highway Noise Survey
USA-103  1974 Capital Beltway Survey
USA-154  1977 Youngmann Highway Noise Abatement Study
USA-155  1977 Minnesota Five Site Freeway Noise Barrier Study

INDUSTRY NOISE

CANADA
CAN-136  1976 Impulse Noise Survey

GERMANY
GER-134  1976 Hamburg Urban Noise Survey

JAPAN
JPN-005  1953 Osaka Industrial Noise Survey

NETHERLANDS
NET-002  Netherlands Effects of Sound Insulation Study

UNITED STATES OF AMERICA
USA-049  Cedar Rock Drive Neighborhood Noise Investigation

INTERIOR NOISE

NETHERLANDS
NET-002  Netherlands Effects of Sound Insulation Study

UNITED KINGDOM
UKD-001  1943 British Home Noise Survey
UKD-003  1952 Sound Insulation in Flats Survey
UKD-119  1975 Great Britain Interior Noise Survey
NOISE SOURCE INDEX (Continued)

RAILWAY NOISE

CANADA
CAN-078 1972 Calgary Noise Survey
CAN-126 Toronto Railway Noise Survey
CAN-169 1978-79 Canadian Five Railway Yard Survey
CAN-174 1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)

DENMARK
DEN-200 1979 Danish Railway Noise Survey

FRANCE
FRA-063 1972 Paris Area Railway Noise Survey

GERMANY
GER-134 1976 Hamburg Urban Noise Survey
GER-135 1976 Stuttgart Railway and Road Traffic Noise Survey
GER-192 1977-78 German Road/Railway Noise Comparison Study

NETHERLANDS
NET-153 1977 Dutch Railway Noise Survey
NET-194 1976 Netherlands Railway Noise Survey
NET-195 1977-78 Netherlands New Railway Line Survey
NET-196 1978 Dutch Homes for the Aged Environmental Noise Study

JAPAN
JPN-064 1972 Environmental Agency of Japan Shinkansen Noise Survey
JPN-065 1972 New Tokaido and New Sanyo Shinkansen Railway Noise
JPN-101 1974 Sendai City Regular Railway Noise Survey
JPN-123 1975 Yokohama Road and Rail Noise Survey
JPN-139 1976 Japanese Rail and Road Noise Study

NETHERLANDS
NET-153 1977 Dutch Railway Noise Survey

POLAND
POL-184 Polish Railway Noise Survey

SWEDEN
SWE-165 1970's Gothenburg Tramway Noise Survey

UNITED KINGDOM
UKD-029 1968 Coventry Pilot Railway Noise Survey
UKD-038 1969 Central England Railway Survey
UKD-116 1975 British National Railway Noise Survey

UNITED STATES OF AMERICA
USA-066 1972 BART Residential Impact Survey

ROAD NOISE

AUSTRIA
AUS-014 1964 Vienna Road Traffic Noise Survey
AUS-093 1973 Vienna Road Traffic Noise Survey
AUS-178 1977 Austrian Road Traffic Survey

BELGIUM
BEL-107 Preliminary Leuven Traffic Noise Survey
BEL-122 1975 Antwerp Traffic Noise Survey
BEL-137 1976 Brussels Traffic Noise Survey

CANADA
CAN-120 1975 Western Ontario University Traffic Noise Survey
NOISE SOURCE INDEX (Road Noise Continued)

CAN-121 1975-76 Southern Ontario Community Survey
CZECHOSLOVAKIA
CZE-109 Bratislava Traffic Noise Survey
DENMARK
DEN-075 1972 Copenhagen Traffic Noise Survey
FRANCE
FRA-041 1969 Paris Road Traffic Noise Study
FRA-092 1973 French 10 City Road Traffic Noise Survey
FRA-124 1975-76 l'Hay les Roses Barrier Survey
FRA-197 1979 French Behavioral Effects of Road Noise Study
GERMANY
GER-134 1976 Hamburg Urban Noise Survey
GER-135 1976 Stuttgart Railway and Road Traffic Noise Survey
GER-164 Dusseldorf Traffic Noise Survey
GER-192 1977-78 German Road/Railway Noise Comparison Study
HONG KONG
HKG-125 1975 Hong Kong Fireman Environmental Noise Survey
HKG-187 Hong Kong Socio-Economic Area Road Traffic Survey
ITALY
SWE-025 1967 Stockholm-Ferrara Comparative Traffic Noise Study
JAPAN
JPN-094 1973-1974 Sendai Road Traffic Noise Survey
JPN-123 1975 Yokohama Road and Rail Noise Survey
JPN-139 1976 Japanese Rail and Road Noise Study
JPN-140 1977 Camp Fuji Noise Survey
JPN-190 1956 Kyoto Traffic Noise Survey
NETHERLANDS
NET-106 1974 Dordrecht Highway Barrier Study
NET-196 1978 Dutch Homes for the Aged Environmental Noise Study
SWEDEN
SWE-021 1966 Stockholm, Gothenburg Road Traffic Study
SWE-025 1967 Stockholm-Ferrara Comparative Traffic Noise Study
SWE-100 Kungalv Noise Barrier Study
SWE-142 Stockholm, Visby, Gothenburg Traffic Noise Study
SWE-165 1970's Gothenburg Tramway Noise Survey
SWITZERLAND
SWI-133 1976 Zurich Street Traffic Noise (Apartments) Survey
SWI-158 1977 Zurich Pilot Traffic Noise Survey
SWI-159 Swiss N-3 Motorway Study
SWI-173 1978 Zurich Time of Day Survey
UNITED KINGDOM
UKD-009 1961 Central London Road Traffic Noise Survey
UKD-030 1968 B.R.S. London Road Traffic Noise Survey
UKD-033 1969 Mixed Road and Aircraft Noise Survey
UKD-038 1969 Central England Railway Survey
UKD-050 1970-71 Heston Noise Barrier Study
UKD-071 1972 B.R.S. London Road Traffic Noise Survey
UKD-072 1972 English Road Traffic Survey
UKD-080 1972 Loughborough Interrupted Traffic Flow Survey
UKD-118 1975 London and Liverpool Panel Survey
<table>
<thead>
<tr>
<th>Reference</th>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UKD-157</td>
<td>1977</td>
<td>London Area Panel Survey</td>
</tr>
<tr>
<td>UKD-160</td>
<td>1977</td>
<td>Hampshire Village Noise Study</td>
</tr>
<tr>
<td>UKD-162</td>
<td></td>
<td>Greater Manchester Traffic Survey</td>
</tr>
<tr>
<td>UKD-176</td>
<td>1978</td>
<td>I.S.V.R. Lab-Field Comparison Survey</td>
</tr>
<tr>
<td>USA-020</td>
<td>1966</td>
<td>Three U.S.A. City Study</td>
</tr>
<tr>
<td>USA-057</td>
<td></td>
<td>U.S.A. Vehicle Noise Situation Survey</td>
</tr>
<tr>
<td>USA-102</td>
<td>1974</td>
<td>U.S.A. 24 Site Community Noise Survey</td>
</tr>
<tr>
<td>USA-104</td>
<td>1974</td>
<td>Boston Economic Impact Questionnaire Pretest</td>
</tr>
<tr>
<td>USA-105</td>
<td>1974</td>
<td>San Francisco Livable Streets Survey</td>
</tr>
<tr>
<td>USA-156</td>
<td>1977</td>
<td>Ohio New Highway Survey</td>
</tr>
<tr>
<td>CAN-136</td>
<td>1976</td>
<td>Impulse Noise Survey</td>
</tr>
<tr>
<td>JPN-140</td>
<td>1977</td>
<td>Camp Fuji Noise Survey</td>
</tr>
<tr>
<td>SWE-185</td>
<td>1975</td>
<td>Gothenburg Rifle Range Survey</td>
</tr>
<tr>
<td>UKD-010</td>
<td>1963</td>
<td>Welsh Village Impulse Noise (Exercise Yellow Hammer)</td>
</tr>
<tr>
<td>UKD-161</td>
<td>1977</td>
<td>Southampton Water Hovercraft Noise Survey</td>
</tr>
<tr>
<td>UKD-175</td>
<td>1978</td>
<td>Southampton Hovercraft Terminal Noise Survey</td>
</tr>
<tr>
<td>USA-170</td>
<td>1978</td>
<td>U.S. Army Impulse Noise Survey</td>
</tr>
</tbody>
</table>
COUNTRY INDEX

Survey titles are listed by country and within country by the same nine noise sources which were used in the noise source index.

This index is presented on the next eight pages.
COUNTRY INDEX

AUSTRALIA

AIRCRAFT NOISE
- AUL-036 1969 Sydney Airport Noise Survey

AUSTRIA

ROAD NOISE
- AUS-014 1964 Vienna Road Traffic Noise Survey
- AUS-093 1973 Vienna Road Traffic Noise Survey
- AUS-178 1977 Austrian Road Traffic Survey

BELGIUM

AIRCRAFT NOISE
- BEL-151 1977-78 Belgium Four Airport Noise Survey

ROAD NOISE
- BEL-107 Preliminary Leuven Traffic Noise Survey
- BEL-122 1975 Antwerp Traffic Noise Survey
- BEL-137 1976 Brussels Traffic Noise Survey

CANADA

AIRCRAFT NOISE
- CAN-055 1971 Dorval Aircraft Noise Survey
- CAN-078 1972 Calgary Noise Survey
- CAN-168 1978 Canadian Four Airport Survey
- CAN-174 1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)
- CAN-181 1979 Canadian Three Airport General Aviation Study

COMMUNITY NOISE
- CAN-076 1972 London and Woodstock Community Noise Survey
- CAN-077 1972 Edmonton Community Noise Survey
- CAN-078 1972 Calgary Noise Survey
- CAN-079 1972 Toronto Community Noise Survey
- CAN-121 1975-76 Southern Ontario Community Survey
- CAN-174 1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)

INDUSTRY NOISE
- CAN-136 1976 Impulse Noise Survey

RAILWAY NOISE
- CAN-078 1972 Calgary Noise Survey
- CAN-126 Toronto Railway Noise Survey
- CAN-169 1978-79 Canadian Five Railway Yard Survey
- CAN-174 1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)

ROAD NOISE
- CAN-120 1975 Western Ontario University Traffic Noise Survey
- CAN-121 1975-76 Southern Ontario Community Survey

MISCELLANEOUS NOISE
- CAN-136 1976 Impulse Noise Survey
COUNTRY INDEX (Continued)

CZECHOSLOVAKIA

ROAD NOISE
CZE-109 Bratislava Traffic Noise Survey

DENMARK

AIRCRAFT NOISE
SWE-035 Scandinavian Nine Airport Noise Study

RAILWAY NOISE
DEN-200 1979 Danish Railway Noise Survey

ROAD NOISE
DEN-075 1972 Copenhagen Traffic Noise Survey

FRANCE

AIRCRAFT NOISE
FRA-016 1965 Four French Airport Noise Study
FRA-017 1965 Regional French Sonic Boom Survey
FRA-045 1970 French Sonic Boom Survey
FRA-056 1971 Orly Aircraft Noise Survey
FRA-087 1973 St. Cyr L'Ecoole General Aviation Noise Survey
FRA-098 1974-75 Roissy Airport Before-After Opening Noise Survey
FRA-099 1974 French National Aircraft Noise Survey
FRA-113 1975 Orly Airport Noise Study
FRA-131 1976 Orly Medical Study Test
FRA-146 1977 French Light Aircraft Study
FRA-150 1977 Roissy Airport Survey
FRA-189 1971 French Condorde Sonic Boom Study

EXPRESSWAY NOISE
FRA-019 1965 Paris Expressway Noise Survey

RAILWAY NOISE
FRA-063 1972 Paris Area Railway Noise Survey

ROAD NOISE
FRA-041 1969 Paris Road Traffic Noise Study
FRA-092 1973 French 10 City Road Traffic Noise Survey
FRA-124 1975-76 l'Hay les Roses Barrier Survey
FRA-197 1979 French Behavioral Effects of Road Noise Study

GERMANY

AIRCRAFT NOISE
GER-034 1969 Munich Airport Noise (DFG Aircraft Noise Study)
GER-037 1969 Meppen Sonic Boom Field Experiment
GER-114 1975 German General Aviation Survey
GER-134 1976 Hamburg Urban Noise Survey

CONSTRUCTION NOISE
GER-134 1976 Hamburg Urban Noise Survey

INDUSTRY NOISE
GER-134 1976 Hamburg Urban Noise Survey

RAILWAY NOISE
GER-134 1976 Hamburg Urban Noise Survey
GER-135 1976 Stuttgart Railway and Road Traffic Noise Survey
GER-192 1977-78 German Road/Railway Noise Comparison Study
COUNTRY INDEX (Germany Continued)

ROAD NOISE
- GER-134 1976 Hamburg Urban Noise Survey
- GER-135 1976 Stuttgart Railway and Road Traffic Noise Survey
- GER-164 Dusseldorf Traffic Noise Survey
- GER-192 1977-78 German Road/Railway Noise Comparison Study

HONG KONG

AIRCRAFT NOISE
- HKG-125 1975 Hong Kong Fireman Environmental Noise Survey

ROAD NOISE
- HKG-125 1975 Hong Kong Fireman Environmental Noise Survey
- HKG-187 Hong Kong Socio-Economic Area Road Traffic Survey

ITALY

ROAD NOISE
- SWE-025 1967 Stockholm-Ferrara Comparative Traffic Noise Study

JAPAN

AIRCRAFT NOISE
- JPN-163 1972 Itami City Osaka Aircraft Noise Study
- JPN-018 1965 Osaka Aircraft Noise Survey
- JPN-046 1970 Yokota Airbase Study
- JPN-062 1972 Akishima City Aircraft Noise Survey
- JPN-152 1977 Atugi Military Aircraft Noise Study

COMMUNITY NOISE
- JPN-177 1978 Kanagawa Ward Community Noise Survey

INDUSTRY NOISE
- JPN-005 1953 Osaka Industrial Noise Survey

RAILWAY NOISE
- JPN-064 1972 Environmental Agency of Japan Shinkansen Noise Survey
- JPN-065 1972 New Tokaido and New Sanyo Shinkansen Railway Noise
- JPN-101 1974 Sendai City Regular Railway Noise Survey
- JPN-123 1975 Yokohama Road and Rail Noise Survey
- JPN-139 1976 Japanese Rail and Road Noise Study

ROAD NOISE
- JPN-094 1973-1974 Sendai Road Traffic Noise Survey
- JPN-123 1975 Yokohama Road and Rail Noise Survey
- JPN-139 1976 Japanese Rail and Road Noise Study
- JPN-140 1977 Camp Fuji Noise Survey
- JPN-190 1956 Kyoto Traffic Noise Survey

MISCELLANEOUS NOISE
- JPN-140 1977 Camp Fuji Noise Survey

NETHERLANDS

AIRCRAFT NOISE
- NET-013 1964 Schiphol Airport Survey
- NET-115 1975 Schiphol and Marssum Aircraft Noise Surveys
- NET-149 1977 Schiphol and Marssum Sound Insulation Survey
- NET-193 1976 Netherlands Military Airfield Noise Study
COUNTRY INDEX (Netherlands Continued)

NET-196 1978 Dutch Homes for the Aged Environmental Noise Study

INDUSTRY NOISE
NET-196 1978 Dutch Homes for the Aged Environmental Noise Study

INTERIOR NOISE
NET-002 Netherlands Effects of Sound Insulation Study

RAILWAY NOISE
NET-153 1977 Dutch Railway Noise Survey
NET-194 1976 Netherlands Railway Noise Survey
NET-195 1977-78 Netherlands New Railway Line Survey
NET-196 1978 Dutch Homes for the Aged Environmental Noise Study

ROAD NOISE
NET-106 1974 Dordrecht Highway Barrier Study
NET-196 1978 Dutch Homes for the Aged Environmental Noise Study

NORWAY

AIRCRAFT NOISE
SWE-035 Scandinavian Nine Airport Noise Study

POLAND

AIRCRAFT NOISE
POL-198 1974 Warsaw Aircraft Noise Survey

RAILWAY NOISE
POL-184 Polish Railway Noise Survey

PUERTO RICO

COMMUNITY NOISE
PUR-188 San Juan Community Noise Survey

SOUTH AFRICA

AIRCRAFT NOISE
SAF-028 1968 South Africa Preliminary Aircraft Noise Survey

SWEDEN

AIRCRAFT NOISE
SWE-011 1963 Linkoping Airport Noise Study
SWE-035 Scandinavian Nine Airport Noise Study
SWE-054 Transget Sweden Sonic Boom Study
SWE-108 Burgsvik Sweden Sonic Boom Study

EXPRESSWAY NOISE
SWE-026 1967 Huddinge New Motorway Study

RAILWAY NOISE
SWE-165 1970's Gothenburg Tramway Noise Survey

ROAD NOISE
SWE-021 1966 Stockholm, Gothenburg Road Traffic Study
SWE-025 1967 Stockholm-Ferrara Comparative Traffic Noise Study
SWE-100 Kungalv Noise Barrier Study
SWE-142 Stockholm, Visby, Gothenburg Traffic Noise Study
SWE-165 1970's Gothenburg Tramway Noise Survey

MISCELLANEOUS NOISE
SWE-015 1964-1970 Karlstad Artillery Range Noise Study
### COUNTRY INDEX (Sweden Continued)

| SWE-185 | 1975 Gothenburg Rifle Range Survey |

### SWITZERLAND

| SWI-053 | 1971 Three City Swiss Noise Survey |
| SWI-180 | 1979 Swiss General Aviation Survey |

### EXPRESSWAY NOISE

| SWI-159 | Swiss N-3 Motorway Study |

### ROAD NOISE

| SWI-133 | 1976 Zurich Street Traffic Noise (Apartments) Survey |
| SWI-158 | 1977 Zurich Pilot Traffic Noise Survey |
| SWI-159 | Swiss N-3 Motorway Study |
| SWI-173 | 1978 Zurich Time of Day Survey |

### UNITED KINGDOM

### AIRCRAFT NOISE

| UKD-008 | 1961 Heathrow Aircraft Noise Survey (First Heathrow Survey) |
| UKD-010 | 1963 Welsh Village Impulse Noise (Exercise Yellow Hammer) |
| UKD-024 | 1967 Heathrow Aircraft Noise Study (2nd Heathrow Survey) |
| UKD-033 | 1969 Mixed Road and Aircraft Noise Survey |
| UKD-052 | 1971 Gatwick Airport Noise Survey |
| UKD-061 | 1972 Heathrow Airport Noise Pilot Survey |
| UKD-086 | 1973 Kew Aircraft Noise Survey |
| UKD-097 | 1974 English Aircraft Noise Postal Survey |
| UKD-111 | 1975 English Mental Health Pilot Survey |
| UKD-112 | Luton In-migrants Aircraft Noise Survey |
| UKD-130 | 1976 Heathrow Concorde Noise Survey |
| UKD-147 | 1977 Heathrow Night-time Pilot Survey |
| UKD-148 | 1977 Heathrow Psychiatric Morbidity Survey |
| UKD-182 | 1979 Heathrow and Gatwick Sleep Study (Aircraft Noise and Sleep Disturbance) |

### COMMUNITY NOISE

| UKD-001 | 1943 British Home Noise Survey |
| UKD-076 | 1972 London and Woodstock Community Noise Survey |
| UKD-132 | 1976 Darlington Quiet Town Survey |
| UKD-160 | 1977 Hampshire Village Noise Study |
| UKD-199 | 1978 Darlington Quiet Town Survey |

### CONSTRUCTION NOISE

| UKD-074 | 1972 London Construction Site Survey |

### EXPRESSWAY NOISE

| UKD-073 | 1972 Birmingham New Motorway Study |

### INTERIOR NOISE

| UKD-001 | 1943 British Home Noise Survey |
| UKD-003 | 1952 Sound Insulation in Flats Survey |
| UKD-119 | 1975 Great Britain Interior Noise Survey |

### RAILWAY NOISE

| UKD-029 | 1968 Coventry Pilot Railway Noise Survey |
| UKD-038 | 1969 Central England Railway Survey |
| UKD-116 | 1975 British National Railway Noise Survey |
COUNTRY INDEX (United Kingdom Continued)

ROAD NOISE
UKD-009 1961 Central London Road Traffic Noise Survey
UKD-030 1968 B.R.S. London Road Traffic Noise Survey
UKD-033 1969 Mixed Road and Aircraft Noise Survey
UKD-038 1969 Central England Railway Survey
UKD-050 1970-71 Heston Noise Barrier Study
UKD-071 1972 B.R.S. London Road Traffic Noise Survey
UKD-072 1972 English Road Traffic Survey
UKD-080 1972 Loughborough Interrupted Traffic Flow Survey
UKD-118 1975 London and Liverpool Panel Survey
UKD-157 1977 London Area Panel Survey
UKD-160 1977 Hampshire Village Noise Study
UKD-162 Greater Manchester Traffic Survey
UKD-176 1978 I.S.V.R. Lab-Field Comparison Survey

MISCELLANEOUS NOISE
UKD-010 1963 Welsh Village Impulse Noise (Exercise Yellow Hammer)
UKD-161 1977 Southampton Water Hovercraft Noise Survey
UKD-175 1978 Southampton Hovercraft Terminal Noise Survey

UNITED STATES OF AMERICA

AIRCRAFT NOISE
USA-004 1953 U.S.A. Eight Airport Noise Study
USA-006 1957 U.S.A. Air Force Base Noise Study
USA-007 1961 St. Louis Sonic Boom Study
USA-012 1964 Oklahoma City Sonic Boom Study
USA-022 1967 U.S.A. Four Airport Survey (Phase I of TRACOR Survey)
USA-023 1967-68 SR-71 Supersonic Aircraft Noise Study
USA-027 1968 LAX Airport Noise Study
USA-031 1969 LAX Airport Noise Study
USA-032 1969 U.S.A. Three Airport Survey (Phase II TRACOR Survey)
USA-044 1970 U.S.A. Small City Airport Survey (Small City TRACOR survey)
USA-048 1970 C.R.P. Inglewood Community Noise Survey
USA-051 1971 J.F.K. Dynamic Preferential Runway System Survey
USA-059 1972 J.F.K. Airport Noise Survey
USA-060 1972 Portland Northshore Aircraft Survey
USA-082 1973 Los Angeles International Airport Night Study
USA-083 1973 LAX Airport Noise Study
USA-084 1973 J.F.K. Airport Noise Study
USA-085 1973 Seattle-Tacoma Airport Noise Study
USA-090 1973 E.P.A. Community Noise Questionnaire Pilot Study
USA-091 1973 Test of Real Time, Personal Annoyance Monitoring Devices
USA-095 U.S. Census Bureau Annual Housing Surveys
USA-096 1974 Fort Campbell Area Helicopter Noise Survey
USA-110 1975 J.F.K. Airport Noise Survey
USA-127 Dulles Concorde Noise Study
USA-128 1976 Orange County Airport Noise Survey
USA-129 Albany and Louisville Aircraft Fear Study
USA-143 J.F.K. Concorde Noise Study
USA-144 F.A.A. J.F.K. Concorde Noise Study
# COUNTRY INDEX (United States Continued)

- **USA-145** 1977 Orange County Airport Noise Study
- **USA-166** 1978 Salt Lake Airport Noise Study
- **USA-167** U.S.A. Helicopter Survey of Selected Occupations
- **USA-170** 1978 U.S. Army Impulse Noise Survey
- **USA-179** 1979 Oklahoma City Airport Noise Survey
- **USA-186** 1980 Bradley International Airport Noise Survey
- **USA-191** 1979 Philadelphia Aircraft Noise Survey

## Community Noise
- **USA-020** 1966 Three U.S.A. City Study
- **USA-039** San Francisco Three Street Pilot Study
- **USA-040** 1969 Inglewood Community Noise Survey
- **USA-048** 1970 C.R.P. Inglewood Community Noise Survey
- **USA-058** Philadelphia Community Noise Survey
- **USA-067** 1972 Boulder Community Noise Survey
- **USA-068** 1972 College Park Community Noise Survey
- **USA-081** Boulder Newspaper Community Noise Survey
- **USA-089** Portland-Multnomah Community Noise Survey
- **USA-090** 1973 E.P.A. Community Noise Questionnaire Pilot Study
- **USA-091** 1973 Test of Real Time, Personal Annoyance Monitoring Devices
- **USA-095** U.S. Census Bureau Annual Housing Surveys
- **USA-102** 1974 U.S.A. 24 Site Community Noise Survey
- **USA-117** 1975 Boulder Noise Survey
- **USA-171** 1978 Spokane Community Noise Survey
- **USA-172** 1978 Kentucky Urban Noise Survey
- **USA-183** 1979 Salt Lake City Community Noise Survey
- **USA-191** 1979 Philadelphia Aircraft Noise Survey

## Expressway Noise
- **USA-043** Los Angeles Freeway Five Site Study
- **USA-047** 1970 Minneapolis Freeway Noise Study
- **USA-069** 1972 Minneapolis Freeway Noise Barrier Study
- **USA-070** 1972 Eastern U.S.A. Four Community Highway Noise Survey
- **USA-088** 1973 U.S.C. Los Angeles Freeway Noise Study
- **USA-103** 1974 Capital Beltway Survey
- **USA-154** 1977 Youngmann Highway Noise Abatement Study
- **USA-155** 1977 Minnesota Five Site Freeway Noise Barrier Study

## Industry Noise
- **USA-049** Cedar Rock Drive Neighborhood Noise Investigation

## Railway Noise
- **USA-066** 1972 BART Residential Impact Survey

## Road Noise
- **USA-020** 1966 Three U.S.A. City Study
- **USA-057** U.S.A. Vehicle Noise Situation Survey
- **USA-088** 1973 U.S.C. Los Angeles Freeway Noise Study
- **USA-102** 1974 U.S.A. 24 Site Community Noise Survey
- **USA-104** 1974 Boston Economic Impact Pretest
- **USA-105** 1974 San Francisco Livable Streets Survey
- **USA-156** 1977 Ohio New Highway Survey

## Miscellaneous Noise
- **USA-170** 1978 U.S. Army Impulse Noise Survey
COUNTRY INDEX (Continued)

UNION OF SOVIET SOCIALIST REPUBLICS

AIRCRAFT NOISE
USR-042  USSR 22 Settlement Aircraft Noise Survey

YUGOSLOVIA

AIRCRAFT NOISE
YUG-141  Two Area Belgrade Aircraft Noise Study
Survey titles are listed by the year in which the social survey was begun. (When the year of the social survey is not known, the year of the first publication is used). Within year, studies are arranged alphabetically by country.

This index is presented on the next six pages.
### CHRONOLOGICAL INDEX

<table>
<thead>
<tr>
<th>Year</th>
<th>Studies</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1943</td>
<td><strong>1943 STUDIES</strong></td>
<td>UKD-001 1943 British Home Noise Survey</td>
</tr>
<tr>
<td>1950</td>
<td><strong>1950 STUDIES</strong></td>
<td>NET-002 1950 Netherlands Effects of Sound Insulation Study</td>
</tr>
<tr>
<td>1952</td>
<td><strong>1952 STUDIES</strong></td>
<td>UKD-003 1952 Sound Insulation in Flats Survey</td>
</tr>
<tr>
<td>1953</td>
<td><strong>1953 STUDIES</strong></td>
<td>JPN-005 1953 Osaka Industrial Noise Survey, USA-004 1953 U.S.A. Eight Airport Noise Study</td>
</tr>
<tr>
<td>1956</td>
<td><strong>1956 STUDIES</strong></td>
<td>JPN-190 1956 Kyoto Traffic Noise Survey</td>
</tr>
<tr>
<td>1957</td>
<td><strong>1957 STUDIES</strong></td>
<td>USA-006 1957 U.S.A. Air Force Base Noise Study</td>
</tr>
</tbody>
</table>
CHRONOLOGICAL INDEX (Continued)

****** 1968 STUDIES *******************************************************
SAF-028 1968 South Africa Preliminary Aircraft Noise Survey
UKD-029 1968 Coventry Pilot Railway Noise Survey
USA-027 1968 LAX Aircraft Noise Study

****** 1969 STUDIES *******************************************************
AUL-036 1969 Sydney Airport Noise Survey
FRA-041 1969 Paris Road Traffic Noise Study
GER-034 1969 Munich Airport Noise (DFG Aircraft Noise Study)
GER-037 1969 Meppen Sonic Boom Field Experiment
SWE-035 Scandinavian Nine Airport Noise Study
UKD-033 1969 Mixed Road and Aircraft Noise Survey
UKD-038 1969 Central England Railway Survey
USA-031 1969 LAX Aircraft Noise Study
USA-032 1969 U.S.A. Three Airport Survey (Phase II TRACOR Survey)
USA-039 San Francisco Three Street Pilot Study
USA-040 1969 Inglewood Community Noise Survey
USA-043 Los Angeles Freeway Five Site Study
USR-042 USSR 22 Settlement Aircraft Noise Survey

****** 1970 STUDIES *******************************************************
FRA-045 1970 French Sonic Boom Survey
JPN-046 1970 Yokota Airbase Study
PUR-188 San Juan Community Noise Survey
UKD-050 1970-71 Heston Noise Barrier Study
USA-044 1970 U.S.A. Small City Airports (Small City TRACOR survey)
USA-047 1970 Minneapolis Freeway Noise Study
USA-048 1970 C.R.P. Inglewood Community Noise Survey
USA-049 Cedar Rock Drive Neighborhood Noise Investigation

****** 1971 STUDIES *******************************************************
CAN-055 1971 Dorval Aircraft Noise Survey
FRA-056 1971 Orly Aircraft Noise Survey
FRA-189 1971 French Concorde Sonic Boom Study
SWE-054 Transslet Sweden Sonic Boom Study
SWI-053 1971 Three City Swiss Noise Survey
UKD-052 1971 Gatwick Airport Noise Survey
USA-051 1971 J.F.K. Dynamic Preferential Runway System Survey
USA-057 U.S.A. Vehicle Noise Situation Survey
USA-058 Philadelphia Community Noise Survey

****** 1972 STUDIES *******************************************************
CAN-076 1972 London and Woodstock Community Noise Survey
CAN-077 1972 Edmonton Community Noise Survey
CAN-078 1972 Calgary Noise Survey
CAN-079 1972 Toronto Community Noise Survey
DEN-075 1972 Copenhagen Traffic Noise Survey
FRA-063 1972 Paris Area Railway Noise Survey
JPN-163 1972 Itami City Osaka Aircraft Noise Study
CHRONOLOGICAL INDEX (Continued)

JPN-062 1972 Akishima City Aircraft Noise Survey
JPN-064 1972 Environmental Agency of Japan Shinkansen Noise Survey
JPN-065 1972 New Tokaido and New Sanyo Shinkansen Railway Noise
SWE-100 Kungalv Noise Barrier Study
SWE-108 Burgsvik Sweden Sonic Boom Study
UKD-002 1952 Sound Insulation in Flats Survey
UKD-061 1972 Heathrow Airport Noise Pilot Survey
UKD-071 1972 B.R.S. London Traffic Noise Survey
UKD-072 1972 English Road Traffic Survey
UKD-073 1972 Birmingham New Motorway Study
UKD-074 1972 London Construction Site Survey
UKD-080 1972 Loughborough Interrupted Traffic Flow Survey
USA-059 1972 J.F.K. Airport Noise Survey
USA-060 1972 Portland Northshore Aircraft Survey
USA-066 1972 BART Residential Impact Survey
USA-067 1972 Boulder Community Noise Survey
USA-068 1972 College Park Community Noise Survey
USA-069 1972 Minneapolis Freeway Noise Barrier Study
USA-070 1972 Eastern U.S.A. Four Community Highway Noise Survey
USA-081 Boulder Newspaper Community Noise Survey

****** 1973 STUDIES ***********************************************
AUS-093 1973 Vienna Road Traffic Noise Survey
FRA-087 1973 St. Cyr L'Ecole General Aviation Noise Survey
FRA-092 1973 French 10 City Traffic Noise Survey
JPN-094 1973-1974 Sendai Road Traffic Noise Survey
UKD-086 1973 Kew Aircraft Noise Survey
USA-082 1973 Los Angeles Airport Night Study
USA-083 1973 LAX Airport Noise Study
USA-084 1973 J.F.K. Airport Noise Study
USA-085 1973 Seattle-Tacoma Airport Noise Study
USA-089 1973 Portland-Multnomah Community Noise Survey
USA-090 1973 E.P.A. Community Noise Questionnaire Pilot Study
USA-091 1973 Test of Real Time, Personal Annoyance Monitoring Devices

****** 1974 STUDIES ***********************************************
CZE-109 Bratislava Traffic Noise Survey
FRA-098 1974-75 Roissy Airport Before-After Opening Noise Survey
FRA-099 1974 French National Aircraft Noise Survey
JPN-101 1974 Sendai City Regular Railway Noise Survey
NET-106 1974 Dordrecht Home Sound Insulation Study
POL-198 1974 Warsaw Aircraft Noise Survey
UKD-097 1974 English Aircraft Noise Postal Survey
USA-096 1974 Fort Campbell Area Helicopter Noise Survey
USA-102 1974 U.S.A. 24 Site Community Noise Survey
USA-103 1974 Capital Beltway Survey
USA-104 1974 Boston Economic Impact Pretest
USA-105 1974 San Francisco Livable Streets Survey
CHRONOLOGICAL INDEX (Continued)

****** 1975 STUDIES  *******************************************************
BEL-122  1975 Antwerp Traffic Noise Survey
CAN-120  1975 Western Ontario University Traffic Noise Survey
CAN-121  1975-76 Southern Ontario Community Survey
CAN-126  Toronto Railway Noise Survey
FRA-113  1975 Orly Airport Noise Study
FRA-124  1975-76 l'Hay les Roses Barrier Survey
GER-114  1975 German General Aviation Survey
HKG-125  1975 Hong Kong Fireman Environmental Noise Survey
JPN-123  1975 Yokohama Road and Rail Noise Survey
NET-115  1975 Schiphol and Marssum Aircraft Noise Insulation Survey
SWE-185  1975 Gothenburg Rifle Range Survey
UKD-111  1975 English Mental Health Pilot Survey
UKD-112  Luton In-migrants Aircraft Noise Survey
UKD-116  1975 British National Railway Noise Survey
UKD-118  1975 London and Liverpool Panel Survey
UKD-119  1975 Great Britain Interior Noise Survey
USA-110  1975 J.F.K. Airport Noise Survey
USA-117  1975 Boulder Noise Survey

****** 1976 STUDIES  *******************************************************
BEL-107  Preliminary Leuven Traffic Noise Survey
BEL-137  1976 Brussels Traffic Noise Survey
CAN-136  1976 Impulse Noise Survey
FRA-131  1976 Orly Medical Effects Study
GER-134  1976 Hamburg Urban Noise Survey
GER-135  1976 Stuttgart Railway and Road Noise Survey
JPN-138  1976 Kanagawa Ward Community Noise Survey
JPN-139  1976 Japanese Rail and Road Noise Study
NET-193  1976 Netherlands Military Airfield Noise Study
NET-194  1976 Netherlands Railway Noise Survey
SWE-142  1976 Stockholm, Visby, Gothenburg Traffic Noise Study
SWE-165  1976 Gothenburg Tramway Noise Survey
SWI-133  1976 Zurich Street Traffic Noise (Apartments) Survey
UKD-130  1976 Heathrow Concorde Noise Survey
UKD-132  1976 Darlington Quiet Town Survey
USA-127  1976-77 Dulles Concorde Noise Study
USA-128  1976 Orange County Airport Noise Survey
USA-129  Albany and Louisville Aircraft Fear Study
YUG-141  Two Area Belgrade Aircraft Noise Study

****** 1977 STUDIES  *******************************************************
AUS-178  1977 Austrian Road Traffic Survey
BEL-151  1977-78 Belgium Four Airport Noise Survey
FRA-146  1977 French Light Aircraft Study
FRA-150  1977 Roissy Airport Survey
GER-164  Dusseldorf Traffic Noise Survey
GER-192  1977-78 German Road/Railway Noise Comparison Study
JPN-140  1977 Camp Fuji Noise Survey
JPN-152  1977 Atugi Military Aircraft Noise Study
CHRONOLOGICAL INDEX (Continued)

NET-149  1977 Schiphol and Maassum Sound Insulation Survey
NET-153  1977 Dutch Railway Noise Survey
NET-195  1977-78 Netherlands New Railway Line Survey
SWI-158  1977 Zurich Pilot Traffic Noise Survey
SWI-159  Swiss N-3 Motorway Study
UKD-147  1977 Heathrow Night-time Pilot Survey
UKD-148  1977 Heathrow Psychiatric Morbidity Survey
UKD-157  1977 London Area Panel Survey
UKD-160  1977 Hampshire Village Noise Study
UKD-161  1977 Southampton Water Hovercraft Noise Survey
UKD-162  Greater Manchester Traffic Survey
USA-143  1977-78 Three-phase J.F.K. Concorde Noise Study
USA-144  1977-78 F.A.A. J.F.K. Concorde Noise Study
USA-145  1977 Orange County Airport Noise Study
USA-154  1977 Youngmann Highway Noise Abatement Study
USA-155  1977 Minnesota Five-site Freeway Noise Barrier Study
USA-156  1977 Ohio New Highway Survey

****** 1978 STUDIES ****************************
CAN-168  1978 Canadian Four Airport Survey
CAN-169  1978-79 Canadian Five Railway Yard Survey
CAN-174  1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)
JPN-177  1978 Kanagawa Ward Community Noise Survey
NET-196  1978 Dutch Homes for the Aged Environmental Noise Study
SWI-173  1978 Zurich Time-of-Day Survey
UKD-175  1978 Southampton Hovercraft Terminal Noise Survey
UKD-176  1978 ISVR Lab-Field Comparison Survey
UKD-199  1978 Darlington Quiet Town Survey
USA-166  1978 Salt Lake Airport Noise Study
USA-167  U.S.A. Helicopter Survey of Selected Occupations
USA-170  1978 U.S. Army Impulse Noise Survey
USA-171  1978 Spokane Community Noise Survey
USA-172  1978 Kentucky Urban Noise Survey

****** 1979 STUDIES ****************************
CAN-181  1979 Canadian Three Airport General Aviation Study
DEN-200  1979 Danish Railway Noise Survey
FRA-197  1979 French Behavioral Effects of Road Noise Study
POL-184  Polish Railway Noise Survey
SWI-180  1979 Swiss General Aviation Survey
UKD-182  1979 Heathrow and Gatwick Sleep Study (Aircraft Noise and Sleep Disturbance)
USA-179  1979 Oklahoma City Airport Noise Survey
USA-183  1979 Salt Lake City Community Noise Survey
USA-191  1979 Philadelphia Aircraft Noise Survey

****** 1980 STUDIES ****************************
HKG-187  Hong Kong Socio-Economic Area Road Traffic Survey
USA-186  1980 Bradley International Airport Noise Survey
***** YEARLY STUDIES

USA-095  U.S. Census Bureau Annual Housing Surveys
SURVEY NUMBER INDEX

The survey titles are listed by the three digit numerical code which is the last three characters of the alpha-numeric survey identifier used in the main catalog listing. Most numbers from 001 to 187 have been assigned in ascending order according to the year of the social survey.

This index is presented on the next five pages.
<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UKD-001</td>
<td>1943 British Home Noise Survey</td>
</tr>
<tr>
<td>NET-002</td>
<td>1950 Netherlands Effects of Sound Insulation Study</td>
</tr>
<tr>
<td>UKD-003</td>
<td>1952 Sound Insulation in Flats Survey</td>
</tr>
<tr>
<td>USA-004</td>
<td>1953 U.S.A. Eight Airport Noise Study</td>
</tr>
<tr>
<td>JPN-005</td>
<td>1953 Osaka Industrial Noise Survey</td>
</tr>
<tr>
<td>USA-006</td>
<td>1957 U.S.A. Air Force Base Noise Study</td>
</tr>
<tr>
<td>USA-007</td>
<td>1961 St. Louis Sonic Boom Study</td>
</tr>
<tr>
<td>UKD-008</td>
<td>1961 Heathrow Aircraft Noise Survey (First Heathrow Survey)</td>
</tr>
<tr>
<td>UKD-010</td>
<td>1963 Welsh Village Impulse Noise (Exercise Yellow Hammer)</td>
</tr>
<tr>
<td>SWE-011</td>
<td>1963 Linkoping Airport Noise Study</td>
</tr>
<tr>
<td>USA-012</td>
<td>1964 Oklahoma City Sonic Boom Study</td>
</tr>
<tr>
<td>NET-013</td>
<td>1963 Schiphol Airport Survey</td>
</tr>
<tr>
<td>AUS-014</td>
<td>1964 Vienna Road Traffic Noise Survey</td>
</tr>
<tr>
<td>SWE-015</td>
<td>1964-1970 Karlstad Artillery Range Noise Study</td>
</tr>
<tr>
<td>FRA-016</td>
<td>1965 Four French Airport Noise Study</td>
</tr>
<tr>
<td>FRA-017</td>
<td>1965 Regional French Sonic Boom Survey</td>
</tr>
<tr>
<td>JPN-018</td>
<td>1965 Osaka Aircraft Noise Survey</td>
</tr>
<tr>
<td>FRA-019</td>
<td>1965 Paris Expressway Noise Survey</td>
</tr>
<tr>
<td>USA-020</td>
<td>1966 U.S.A. Three City Community Noise Study</td>
</tr>
<tr>
<td>SWE-021</td>
<td>1966 Stockholm and Gothenburg Traffic Study</td>
</tr>
<tr>
<td>USA-022</td>
<td>1967 U.S.A. Four Airport Survey (Phase I of TRACOR Survey)</td>
</tr>
<tr>
<td>USA-023</td>
<td>1967-68 SR-71 Supersonic Aircraft Noise Study</td>
</tr>
<tr>
<td>UKD-024</td>
<td>1967 Heathrow Aircraft Noise Study (2nd Heathrow Survey)</td>
</tr>
<tr>
<td>SWE-025</td>
<td>1967 Stockholm-Ferrara Comparative Traffic Noise Study</td>
</tr>
<tr>
<td>SWE-026</td>
<td>1967 Huddinge New Motorway Study</td>
</tr>
<tr>
<td>USA-027</td>
<td>1968 LAX Aircraft Noise Study</td>
</tr>
<tr>
<td>SAF-028</td>
<td>1968 South Africa Preliminary Aircraft Noise Survey</td>
</tr>
<tr>
<td>UKD-029</td>
<td>1968 Coventry Pilot Railway Noise Survey</td>
</tr>
<tr>
<td>USA-031</td>
<td>1969 LAX Aircraft Noise Study</td>
</tr>
<tr>
<td>USA-032</td>
<td>1969 U.S.A. Three Airport Survey (Phase II TRACOR Survey)</td>
</tr>
<tr>
<td>UKD-033</td>
<td>1969 Mixed Road and Aircraft Noise Survey</td>
</tr>
<tr>
<td>GER-034</td>
<td>1969 Munich Airport Noise (DFG Aircraft Noise Study)</td>
</tr>
<tr>
<td>SWE-035</td>
<td>Scandinavian Nine Airport Noise Study</td>
</tr>
<tr>
<td>AUL-036</td>
<td>1969 Sydney Airport Noise Survey</td>
</tr>
<tr>
<td>GER-037</td>
<td>1969 Meppen Sonic Boom Field Experiment</td>
</tr>
<tr>
<td>UKD-038</td>
<td>1969 Central England Railway Survey</td>
</tr>
<tr>
<td>USA-039</td>
<td>San Francisco Three Street Pilot Study</td>
</tr>
<tr>
<td>USA-040</td>
<td>1969 Inglewood Community Noise Survey</td>
</tr>
<tr>
<td>FRA-041</td>
<td>1969 Paris Road Traffic Noise Study</td>
</tr>
<tr>
<td>USR-042</td>
<td>USSR 22 Settlement Aircraft Noise Survey</td>
</tr>
<tr>
<td>USA-043</td>
<td>Los Angeles Freeway Five Site Study</td>
</tr>
<tr>
<td>USA-044</td>
<td>1970 U.S.A. Small City Airports (Small City TRACOR survey)</td>
</tr>
<tr>
<td>FRA-045</td>
<td>1970 French Sonic Boom Survey</td>
</tr>
<tr>
<td>JPN-046</td>
<td>1970 Yokota Airbase Study</td>
</tr>
<tr>
<td>USA-047</td>
<td>1970 Minneapolis Freeway Noise Study</td>
</tr>
<tr>
<td>USA-048</td>
<td>1970 C.R.P. Inglewood Community Noise Survey</td>
</tr>
<tr>
<td>USA-049</td>
<td>Cedar Rock Drive Neighborhood Noise Investigation</td>
</tr>
<tr>
<td>UKD-050</td>
<td>1970-71 Heston Noise Barrier Study</td>
</tr>
</tbody>
</table>
USA-051 1971 J.F.K. Dynamic Preferential Runway System Survey
UKD-052 1971 Gatwick Airport Noise Survey
SWI-053 1971 Three City Swiss Noise Survey
SWE-054 Transglet Sweden Sonic Boom Study
CAN-055 1971 Dorval Aircraft Noise Survey
FRA-056 1971 Orly Aircraft Noise Survey
USA-057 U.S.A. Vehicle Noise Situation Survey
USA-058 Philadelphia Community Noise Survey
USA-059 1972 J.F.K. Airport Noise Survey
USA-060 1972 Portland Northshore Aircraft Survey
UKD-061 1972 Heathrow Airport Noise Pilot Survey
JPN-062 1972 Akishima City Aircraft Noise Survey
FRA-063 1972 Paris Area Railway Noise Survey
JPN-064 1972 Environmental Agency of Japan Shinkansen Noise Survey
JPN-065 1972 New Tokaido and New Sanyo Shinkansen Railway Noise
USA-066 1972 BART Residential Impact Survey
USA-067 1972 Boulder Community Noise Survey
USA-068 1972 College Park Community Noise Survey
USA-069 1972 Minneapolis Freeway Noise Barrier Study
USA-070 1972 Eastern U.S.A. Four Community Highway Noise Survey
UKD-071 1972 B.R.S. London Traffic Noise Survey
UKD-072 1972 English Road Traffic Survey
UKD-073 1972 Birmingham New Motorway Study
UKD-074 1972 London Construction Site Survey
DEN-075 1972 Copenhagen Traffic Noise Survey
CAN-076 1972 London and Woodstock Community Noise Survey
CAN-077 1972 Edmonton Community Noise Survey
CAN-078 1972 Calgary Noise Survey
CAN-079 1972 Toronto Community Noise Survey
UKD-080 1972 Loughborough Interrupted Traffic Flow Survey
USA-081 Boulder Newspaper Community Noise Survey
USA-082 1973 Los Angeles Airport Night Study
USA-083 1973 LAX Airport Noise Study
USA-084 1973 J.F.K. Airport Noise Study
USA-085 1973 Seattle-Tacoma Airport Noise Study
UKD-086 1973 Kew Aircraft Noise Survey
FRA-087 1973 St. Cyr L'Ecole General Aviation Noise Survey
USA-089 Portland-Multnomah Community Noise Survey
USA-090 1973 E.P.A. Community Noise Questionnaire Pilot Study
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AUS-093 1973 Vienna Road Traffic Noise Survey
JPN-094 1973-1974 Sendai Road Traffic Noise Survey
USA-095 U.S. Census Bureau Annual Housing Surveys
USA-096 1974 Fort Campbell Area Helicopter Noise Survey
UKD-097 1974 English Aircraft Noise Postal Survey
FRA-098 1974-75 Roissy Airport Before-After Opening Noise Survey
FRA-099 1974 French National Aircraft Noise Survey
SWE-100 Kungalv Noise Barrier Study
SURVEY NUMBER INDEX (Continued)

JPN-101 1974 Sendai City Regular Railway Noise Survey
USA-102 1974 U.S.A. 24 Site Community Noise Survey
USA-103 1974 Capital Beltway Survey
USA-104 1974 Boston Economic Impact Pretest
USA-105 1974 San Francisco Livable Streets Survey
NET-106 1974 Dordrecht Home Sound Insulation Study
BEL-107 Preliminary Leuven Traffic Noise Survey
SWE-108 Burgsvik Sweden Sonic Boom Study
CZE-109 Bratislava Traffic Noise Survey
USA-110 1975 J.F.K. Airport Noise Survey
UKD-111 1975 English Mental Health Pilot Survey
UKD-112 Luton In-migrants Aircraft Noise Survey
FRA-113 1975 Orly Airport Noise Study
GER-114 1975 German General Aviation Survey
NET-115 1975 Schiphol and Marssum Aircraft Noise Insulation Survey
UKD-116 1975 British National Railway Noise Survey
USA-117 1975 Boulder Noise Survey
UKD-118 1975 London and Liverpool Panel Survey
UKD-119 1975 Great Britain Interior Noise Survey
CAN-120 1975 Western Ontario University Traffic Noise Survey
CAN-121 1975-76 Southern Ontario Community Survey
BEL-122 1975 Antwerp Traffic Noise Survey
JPN-123 1975 Yokohama Road and Rail Noise Survey
FRA-124 1975-76 l'Hay les Roses Barrier Survey
HKG-125 1975 Hong Kong Fireman Environmental Noise Survey
CAN-126 Toronto Railway Noise Survey
USA-127 1976-77 Dulles Concorde Noise Study
USA-128 1976 Orange County Airport Noise Survey
USA-129 Albany and Louisville Aircraft Fear Study
UKD-130 1976 Heathrow Concorde Noise Survey
FRA-131 1976 Orly Medical Effects Study
UKD-132 1976 Darlington Quiet Town Survey
SWI-133 1976 Zurich Street Traffic Noise (Apartments) Survey
GER-134 1976 Hamburg Urban Noise Survey
GER-135 1976 Stuttgart Railway and Road Noise Survey
CAN-136 1976 Impulse Noise Survey
BEL-137 1976 Brussels Traffic Noise Survey
JPN-138 1976 Kanagawa Ward Community Noise Survey
JPN-139 1976 Japanese Rail and Road Noise Study
JPN-140 1977 Camp Fuji Noise Survey
YUG-141 Two Area Belgrade Aircraft Noise Study
SWE-142 1976 Stockholm, Visby, Gothenburg Traffic Noise Survey
USA-143 1977-78 Three-phase J.F.K. Concorde Noise Study
USA-144 1977-78 F.A.A. J.F.K. Concorde Noise Study
USA-145 1977 Orange County Airport Noise Study
FRA-146 1977 French Light Aircraft Study
UKD-147 1977 Heathrow Night-time Pilot Survey
UKD-148 1977 Heathrow Psychiatric Morbidity Survey
NET-149 1977 Schiphol and Marssum Sound Insulation Survey
FRA-150 1977 Roissy Airport Survey
<table>
<thead>
<tr>
<th>Zahlenindex der Untersuchung (Fortsetzung)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEL-151 1977-78 Belgium Four Airport Noise Survey</td>
</tr>
<tr>
<td>JPN-152 1977 Atugi Military Aircraft Noise Study</td>
</tr>
<tr>
<td>NET-153 1977 Dutch Railway Noise Survey</td>
</tr>
<tr>
<td>USA-154 1977 Youngmann Highway Noise Abatement Study</td>
</tr>
<tr>
<td>USA-155 1977 Minnesota Five-site Freeway Noise Barrier Study</td>
</tr>
<tr>
<td>USA-156 1977 Ohio New Highway Survey</td>
</tr>
<tr>
<td>UKD-157 1977 London Area Panel Survey</td>
</tr>
<tr>
<td>SWI-158 1977 Zurich Pilot Traffic Noise Survey</td>
</tr>
<tr>
<td>SWI-159 Swiss N-3 Motorway Study</td>
</tr>
<tr>
<td>UKD-160 1977 Hampshire Village Noise Study</td>
</tr>
<tr>
<td>UKD-161 1977 Southampton Water Hovercraft Noise Survey</td>
</tr>
<tr>
<td>UKD-162 Greater Manchester Traffic Survey</td>
</tr>
<tr>
<td>JPN-163 1972 Itami City Osaka Aircraft Noise Study</td>
</tr>
<tr>
<td>GER-164 Dusseldorf Traffic Noise Survey</td>
</tr>
<tr>
<td>SWE-165 1976 Gothenburg Tramway Noise Survey</td>
</tr>
<tr>
<td>USA-166 1978 Salt Lake Airport Noise Study</td>
</tr>
<tr>
<td>USA-167 U.S.A. Helicopter Survey of Selected Occupations</td>
</tr>
<tr>
<td>CAN-168 1978 Canadian Four Airport Survey</td>
</tr>
<tr>
<td>CAN-169 1978-79 Canadian Five Railway Yard Survey</td>
</tr>
<tr>
<td>USA-170 1978 U.S. Army Impulse Noise Survey</td>
</tr>
<tr>
<td>USA-171 1978 Spokane Community Noise Survey</td>
</tr>
<tr>
<td>USA-172 1978 Kentucky Urban Noise Survey</td>
</tr>
<tr>
<td>SWI-173 1978 Zurich Time-of-Day Survey</td>
</tr>
<tr>
<td>CAN-174 1978 Canadian National Community Noise Survey (National Household Survey of Noise Exposure)</td>
</tr>
<tr>
<td>UKD-175 1978 Southampton Hovercraft Terminal Noise Survey</td>
</tr>
<tr>
<td>UKD-176 1978 ISVR Lab-Field Comparison Survey</td>
</tr>
<tr>
<td>JPN-177 1978 Kanagawa Ward Community Noise Survey</td>
</tr>
<tr>
<td>AUS-178 1977 Austrian Road Traffic Survey</td>
</tr>
<tr>
<td>USA-179 1979 Oklahoma City Airport Noise Survey</td>
</tr>
<tr>
<td>SWI-180 1979 Swiss General Aviation Survey</td>
</tr>
<tr>
<td>CAN-181 1979 Canadian Three Airport General Aviation Study</td>
</tr>
<tr>
<td>UKD-182 1979 Heathrow and Gatwick Sleep Study (Aircraft Noise and Sleep Disturbance)</td>
</tr>
<tr>
<td>USA-183 1979 Salt Lake City Community Noise Survey</td>
</tr>
<tr>
<td>POL-184 Polish Railway Noise Survey</td>
</tr>
<tr>
<td>SWE-185 1975 Gothenburg Rifle Range Survey</td>
</tr>
<tr>
<td>USA-186 1980 Bradley International Airport Noise Survey</td>
</tr>
<tr>
<td>HKG-187 Hong Kong Socio-Economic Area Road Traffic Survey</td>
</tr>
<tr>
<td>PUR-188 San Juan Community Noise Survey</td>
</tr>
<tr>
<td>FRA-189 1971 French Concorde Sonic Boom Study</td>
</tr>
<tr>
<td>JPN-190 1956 Kyoto Traffic Noise Survey</td>
</tr>
<tr>
<td>USA-191 1979 Philadelphia Aircraft Noise Survey</td>
</tr>
<tr>
<td>GER-192 1977-78 German Road/Railway Noise Comparison Study</td>
</tr>
<tr>
<td>NET-193 1976 Netherlands Military Airfield Noise Study</td>
</tr>
<tr>
<td>NET-194 1976 Netherlands Railway Noise Survey</td>
</tr>
<tr>
<td>NET-195 1977-78 Netherlands New Railway Line Survey</td>
</tr>
<tr>
<td>NET-196 1978 Dutch Homes for the Aged Environmental Noise Study</td>
</tr>
<tr>
<td>FRA-197 1979 French Behavioral Effects of Road Noise Study</td>
</tr>
<tr>
<td>POL-198 1974 Warsaw Aircraft Noise Survey</td>
</tr>
</tbody>
</table>
SURVEY NUMBER INDEX (Continued)

UKD-199  1978 Darlington Quiet Town Survey
DEN-200  1979 Danish Railway Noise Survey
The NASA Langley Research Center has established an archive for surveys of people's response to environmental noise within the Social Science Research Council (SSRC) Survey Archive at the University of Essex (England). The SSRC Survey Archive serves as a general repository for over 1500 machine readable social science data sets. Thus far 19 noise surveys have been deposited in the archive. These surveys are available from the archive now, though many have not yet been fully processed. The archive provides a service for both depositors and users of noise surveys.

Depositors submit their data in a machine readable form. After processing the data, the archive standardizes the data format and the survey documentation. A standardized code book is prepared if a request is made to access a data set. Professional archiving practices are followed to provide a high degree of security for the data; three copies are made of each tape, tapes are regularly checked, and tapes are stored in separate places. The depositor has the option of retaining complete control over access to the data. The major advantage for the depositor is the knowledge that the data will be saved for future use.

Users of the data find the archive is an efficient way to obtain another study's data because clear documentation is available, the data have already been checked for obvious problems, and the data can be provided in a format which is compatible with most local computer installations. While the SSRC Archive cannot eliminate all problems in the analysis of such data, it does very substantially reduce these problems. Users pay a nominal fee for materials. The archive publishes a newsletter as well as an inventory of surveys.

The nineteen surveys which had been deposited in the archive by July of 1981 are listed below with the SSRC Number and title as well as the NASA study number which is used in this report. Unless otherwise noted, both the interview data set and the summary noise levels are available.

Interested depositors and users are urged to directly contact the archive at the following address: SSRC Survey Archive, University of Essex, Wivenhoe Park, Colchester, Essex CO4 3SQ, England (telephone 0206-862286).
### TABLE 1: LIST OF SURVEYS IN SSRC ARCHIVE

<table>
<thead>
<tr>
<th>Study No.</th>
<th>Title</th>
<th>NASA Study Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>992</td>
<td>Traffic and the Environment</td>
<td>UKD-072</td>
</tr>
<tr>
<td>1006</td>
<td>Noise Annoyance in Central London</td>
<td>UKD-009</td>
</tr>
<tr>
<td>1280</td>
<td>USA TRACOR Aircraft Noise Studies</td>
<td>USA-022 USA-032</td>
</tr>
<tr>
<td>1291</td>
<td>Aircraft Noise Annoyance Around London (Heathrow) Airport (NOTE: Noise levels are not available for this 1961 survey)</td>
<td>UKD-008</td>
</tr>
<tr>
<td>1355</td>
<td>Community Response to Road Traffic Noise in the Toronto-Hamilton Corridor</td>
<td>CAN-121</td>
</tr>
<tr>
<td>1356</td>
<td>Community Response to Noise Around Toronto International and other Southern Ontario Airports</td>
<td>CAN-168</td>
</tr>
<tr>
<td>1399</td>
<td>1975 Western Ontario University Traffic Noise Survey</td>
<td>CAN-120</td>
</tr>
<tr>
<td>1400</td>
<td>1975 British National Railway Noise Survey</td>
<td>UKD-116</td>
</tr>
<tr>
<td>1401</td>
<td>1973 Los Angeles International Airport Night Study</td>
<td>USA-082</td>
</tr>
<tr>
<td>1402</td>
<td>1976 Heathrow Concorde Noise Survey</td>
<td>UKD-130</td>
</tr>
<tr>
<td>1403</td>
<td>1972 Building Research Station London Traffic Noise Survey</td>
<td>UKD-072</td>
</tr>
<tr>
<td>1404</td>
<td>USA 24 site Community Noise Survey</td>
<td>USA-102</td>
</tr>
<tr>
<td>1408</td>
<td>Rural Village Sound/Noise Survey</td>
<td>UKD-160</td>
</tr>
<tr>
<td>1410</td>
<td>Aircraft Noise and the Prevalence of Psychiatric Disorders</td>
<td>UKD-148</td>
</tr>
<tr>
<td>1418</td>
<td>French Urban Expressway Noise</td>
<td>FRA-092</td>
</tr>
<tr>
<td>1539</td>
<td>Second Survey of Aircraft Noise Annoyance Around London (Heathrow) Airport</td>
<td>UKD-024</td>
</tr>
<tr>
<td>1487</td>
<td>Aircraft Noise and Sleep Disturbance</td>
<td>UKD-182</td>
</tr>
<tr>
<td>1411</td>
<td>London Area Panel Survey</td>
<td>UKD-157</td>
</tr>
</tbody>
</table>
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CAN-168

NET-115, NET-149

NET-115, NET-149

NET-013

NET-013

NET-106
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UKD-033

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CAN-120

CAN-120

CAN-120

CAN-120

CAN-120
BIBLIOGRAPHY (Continued)

CAN-120

CAN-120

USA-058

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USA-096

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AUS-014


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GER-164


USA-031


USA-186


SWE-011


FRA-045


FRA-016


USA-067, USA-081


UKD-001


USA-127
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CAN-078

USA-032

USA-167

USA-167

UKD-086

UKD-086

USA-191

USA-127

USA-144
BIBLIOGRAPHY (Continued)

USA-091

USA-082

USA-102

USA-102

USA-085

USA-085

UKD-116

UKD-116

UKD-116

UKD-116

UKD-116

UKD-116
BIBLIOGRAPHY (Continued)

UKD-116

UKD-116

UKD-116

UKD-116

GER-134

GER-035

GER-035

UKD-176

SWE-021
BIBLIOGRAPHY (Continued)


BIBLIOGRAPHY (Continued)


BIBLIOGRAPHY (Continued)

UKD-118
UKD-030
UKD-157
CAN-121
CAN-121
CAN-121
CAN-168, CAN-121
CAN-169, CAN-168
CAN-121
CAN-121
CAN-121
BIBLIOGRAPHY (Continued)


CAN-121


CAN-168


UKD-038


UKD-072


UKD-072


UKD-072


USA-049


UKD-160


UKD-160


UKD-160
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AUS-093

AUS-093

AUS-093, AUS-178

UKD-071

UKD-071

UKD-071

UKD-071

UKD-071
BIBLIOGRAPHY (Continued)

UKD-030

UKD-071

UKD-071, UKD-119

UKD-074

UKD-074

UKD-130

UKD-073

USA-059

BIBLIOGRAPHY (Continued)

USA-129

UKD-074

UKD-074

UKD-024

UKD-111

UKD-050

UKD-182

USA-089

GER-035

AUL-036
BIBLIOGRAPHY (Continued)

SAF-028

GER-037

GER-037

GER-037

USA-154

UKD-160

UKD-008

UKD-008

UKD-008

UKD-008

UKD-008

UKD-130
BIBLIOGRAPHY (Continued)

UKD-130

UKD-130

UKD-009

USA-155

UKD-072

BEL-151

BEL-122, BEL-137

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UKD-111

UKD-111

UKD-148

UKD-148

UKD-148
BIBLIOGRAPHY (Continued)

UKD-148

CAN-121

CAN-181

CAN-121

CAN-168

CAN-168

USA-104

JPN-046

JPN-046

USA-040, USA-048

USA-023
BIBLIOGRAPHY (Continued)

USA-022, USA-032

CAN-121

FRA-124

FRA-124

FRA-092

NET-002

NET-196

NET-195

SAF-028
BIBLIOGRAPHY (Continued)

SWI-173

SWI-133

SWI-173, SWI-158, SWI-133

SWI-173

SWI-173

USA-156

NET-115, NET-149

UKD-116
BIBLIOGRAPHY (Continued)

   UKD-008

   UKD-112

   UKD-112

   This publication lists many surveys

   USA-060

   JPN-005

   UKD-162

   UKD-162

   USA-027, USA-031
LIST OF SELECTED ENGLISH TRANSLATIONS

Most researchers are probably not yet aware of some of the recent translations in the bibliography which have been supported by NASA. These translations which are now available to the public have been repeated below. Where only parts of a report are translated this is noted.

The translations can be purchased from the U. S. Department of Commerce, National Technical Information Service, 5285 Port Royale Road, Springfield, VA 22161.
SELECTED ENGLISH TRANSLATIONS

SWI-053

The following translation is most useful when used in conjunction with the full Dutch report because it translates only limited sections and representative table headings.
NET-013

FRA-045

FRA-016

GER-035
SELECTED ENGLISH TRANSLATIONS (Continued)

Summary of this work is translated as:
Determination of Traffic Noise Nuisance as a Function of Traffic Type and Density in a Heavily Populated Area, NASA TM-75414.

Translation available as:

Translation available as:

Translation available as:
Aircraft Noise Abatement, NASA TT-F-12,093.

La Gene Causee...: 1978, La Gene Causee Par L'Aviation Legere Enquete Effectuee Autour de Quatre Aerodromes de la Region Parisienne. CERPAIR, St.-Cyr-L'Ecole; and ARC, Paris, Feb., 1978.
Translation available as:

Translation available as:
Translation available as:
JPN-046, JPN-018, JPN-190, JPN-163.

Translation available as:

Translation available as:
Annoyance Due to Noise and Air Pollution to the Residents of Heavily Frequented Streets, NASA TM-75496.

SWI-158
Two hundred social surveys of people's responses to environmental noise in residential areas are briefly described. The surveys are indexed by country, noise source and date of survey. The publications and reports about each survey are listed in a bibliography. Recent English translations of fourteen publications are listed separately. Nineteen surveys are listed which are available for secondary analysis from a data archive.