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## LBL Publications

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Ventilation-Indoor Air Quality Data Base

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# VIAQ

## Ventilation- Indoor Air Quality Data Base

Energy Efficient Buildings Program  
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broad, narrow and/or related terms, which will be used in the retrieval process.

**Module 3:** Current information and announcements, including data base updates, are obtainable in News.

**Module 5:** Who's Who is a listing of names, affiliations, and interest areas for researchers and officials working in building ventilation/indoor air quality activities. The module may be used to generate specialized mailing lists or to link with the bibliographic module to immediately provide addresses and telephone numbers for authors of interest.

**Module 12:** When a session is terminated, final results may be printed on a hard copy peripheral to the user, or hard copy may be requested from LBL.

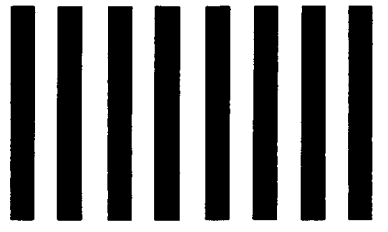
**Module 14:** Should the user have difficulty during a session, he/she may summon 'help' at virtually any phase in the dialog, and instructions will be issued suggesting an appropriate remedy.

In its final form, VIAQ will offer a leading-edge information service specializing in energy conservation and air quality in the built environment. In addition to the core subject matter, distinguishing features include wide public access, thoroughly indexed information, and direct user-to-data interface in a friendly computer environment. As it becomes operational, VIAQ will be monitored and modified to more effectively meet actual user requirements.

For further information or to obtain a guest account on VIAQ, please write:

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# VIAQ

## Ventilation-Indoor Air Quality Data Base

The Ventilation-Indoor Air Quality (VIAQ) data base is a computerized information service developed by the Ventilation Program, a major component of the Lawrence Berkeley Laboratory Energy Efficient Buildings Program. \* This program is part of a coordinated effort to respond to the need for national energy conservation, while concurrently ensuring satisfactory indoor air quality for occupants of the built environment. To this end, Lawrence Berkeley Laboratory (LBL) is conducting research and development on existing and proposed ventilation requirements and mechanical ventilation systems. The program will produce recommendations for energy-efficient ventilation standards and designs for residential, institutional and commercial buildings.

Various segments of the professional community have expressed a growing interest in energy conservation as applied to the built environment. A partial listing of those concerned would include:

- |                            |                         |
|----------------------------|-------------------------|
| Architects                 | Professors, Educators   |
| Building Contractors       | Public Health Officials |
| Design Engineers           | Researchers             |
| Legislators/Administrators | Scientists              |
| Mechanical Engineers       |                         |

In an effort to meet the needs of these specific groups, as well as the commercial sector and the general public, LBL is in the process of establishing an information clearinghouse for ventilation/indoor air quality research. The basic objective of the VIAQ Data Base Project is to consolidate existing information with current research developments, making this information directly accessible to user groups throughout the country.

Access to the data base will occur via an interactive session with VIAQ. Communication (data links) may be established through commercial telephone lines, FTS, or high-speed computer networks. User equipment requirements are minimal; a telephone, a non-intelligent terminal, and an acoustic coupler will suffice. Once the connection has been achieved, the typical user will be interactively guided through selected resource modules. The experienced user may, of course, bypass the user-friendly interface and directly manipulate the data base using the lower-level data query language.

\*The work described is funded by the Office of Buildings and Community Systems, Assistant Secretary for Conservation and Solar Applications of the U.S. Department of Energy under contract No. W-7405-ENG-48.

When the VIAQ data base is fully operational, it will include information on the following items:

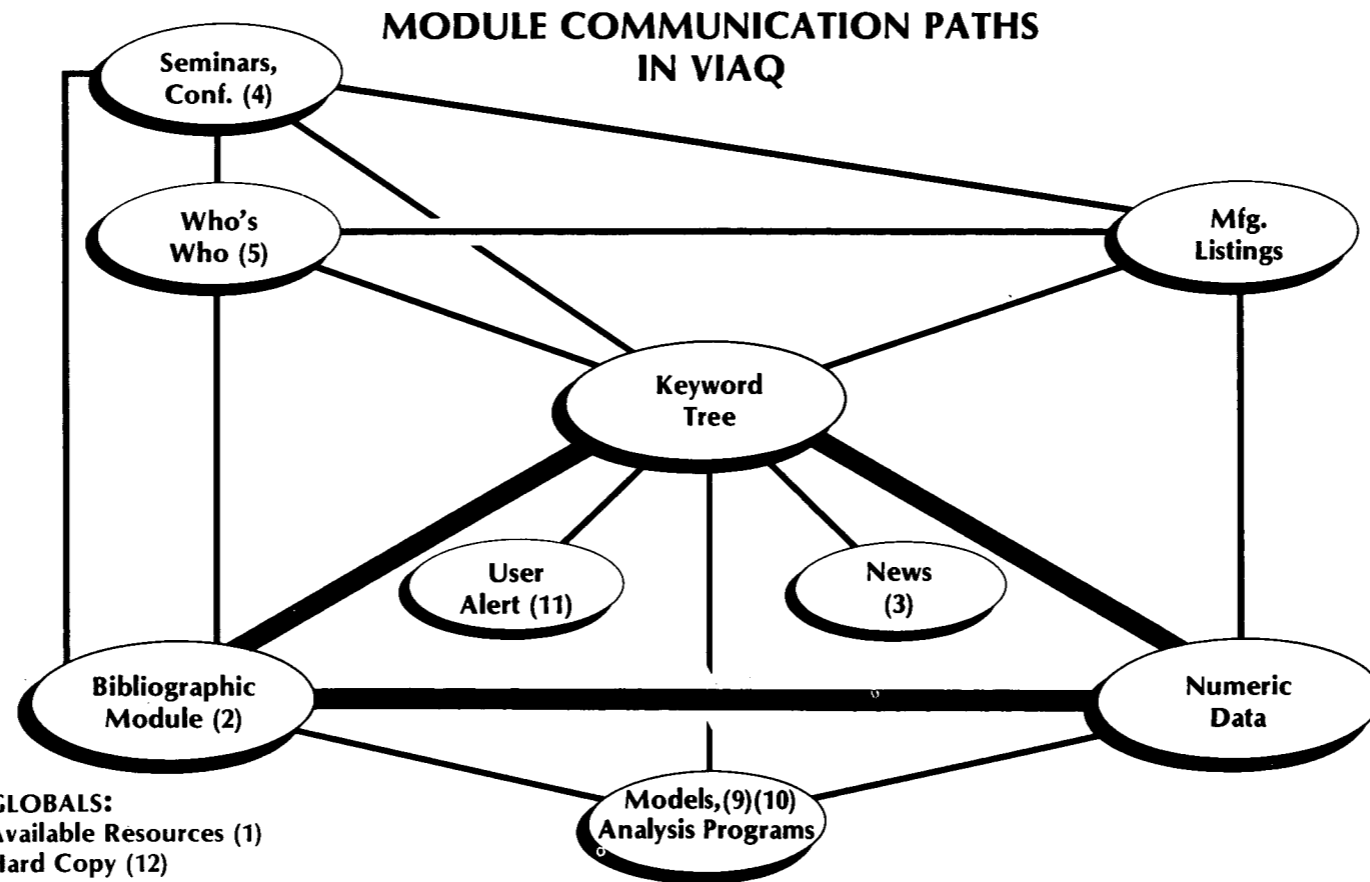
1. Air Quality Resources
2. Bibliography
3. News
4. Seminars, Workshops and Conferences
5. Who's Who
6. Ventilation—Research and Development Projects
7. Ventilation—Business and Finance
8. Ventilation—Standards and Guidelines
9. Models
10. Analysis Programs
11. User Alert Service
12. Hard Copy Output
13. Utility Routines
14. Help

In the prototype version,\* LBL is preparing to bring on-line the following modules:

**Module 1:** A current listing of data base resources informs users of existing search facilities.

**Module 2:** The bibliographic resource including bibliographic references, abstracts, and thesaurus, covers information subject areas such as indoor air quality, airborne contaminant control, hospital ventilation and energy conservation, infiltration, windows and lighting, and radon. Each bibliographic entry includes source reference information including: author name and affiliation, publication type, language of the original article, abstract and keywords. Abstracts are maintained on-line to aid the user in determining whether he/she wishes to obtain the complete document. Original author-prepared abstracts are utilized wherever possible; however, LBL has supported abstracting activities to ensure adequate subject coverage. The indexing process, a vital part of bibliographic control, employs a consistent vocabulary (thesaurus) of keywords to describe the content of each document. The VIAQ on-line thesaurus conceptually structures keywords into

\*Estimated date of availability: January 1980



- GLOBALS:**  
**Available Resources (1)**  
**Hard Copy (12)**  
**Utilities (13)**  
**Help (14)**

## WHO'S WHO IN VENTILATION DATA BASE RESOURCE

Data collection is currently under way for the Who's Who resource module of VIAQ.

This listing will facilitate contact among individuals by providing the user with pertinent information regarding other researchers who are involved in the ventilation/indoor air quality field.

Searchable fields for this resource are name, affiliation and area(s) of interest. To aid in maintaining consistency in the search process, interest areas are provided below.

To be included in this resource module, please complete the following information:

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Affiliation:** \_\_\_\_\_

**Mailing Address:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Telephone:** Office: (\_\_\_\_) \_\_\_\_\_  
 Home: (\_\_\_\_) \_\_\_\_\_

### WHO'S WHO INTEREST AREAS

Please Check Applicable Interest Areas:

- 1. Airborne Microbes
- 2. Administration/Management
- 3. Building Envelope
- 4. Computer Analysis
- 5. Energy Conservation
- 6. Energy Efficient Buildings
- 7. Epidemiology
- 8. Field Studies
- 9. Formaldehyde
- 10. Heat Exchangers
- 11. Indoor Air Quality
- 12. Infiltration
- 13. Instruments/Instrumentation
- 14. Mathematical Models
- 15. Odors
- 16. Organics
- 17. Radon
- 18. Standards/Guidelines
- 19. Other: \_\_\_\_\_