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DAYLIGHTING DIRECTORY 3/81

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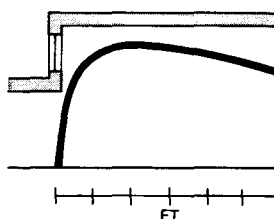
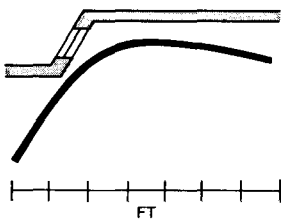
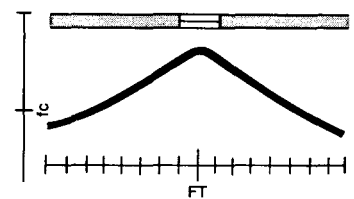
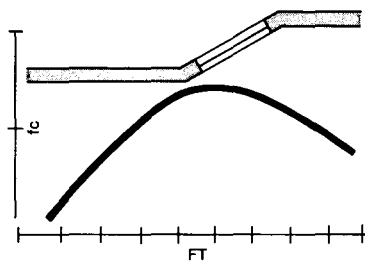
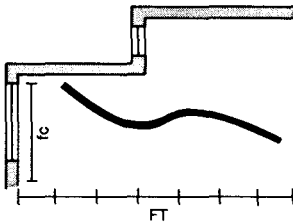
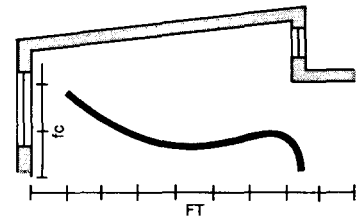
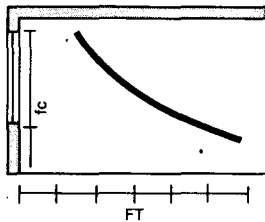
Lawrence Berkeley National Laboratory

Publication Date

1981-10-07

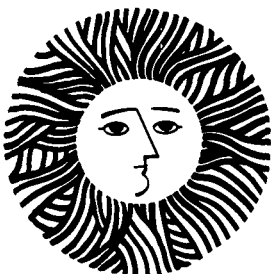
LB Lawrence Berkeley Laboratory
UNIVERSITY OF CALIFORNIA
ENERGY & ENVIRONMENT DIVISION

Daylighting Directory 6/80



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Daylighting Directory 6/80

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Introduction

A renewed interest in the energy conservation potential of daylighting has generated new research, applications and demonstration activities over the last few years. It is apparent that even those people actively working in the field are frequently not aware of all of the ongoing projects and activities. At the same time, the total national effort to utilize daylighting effectively in buildings on a broad scale is still very small, thus making it important that current activities are "crossfertilized."

Given the wealth of historical interest in daylighting, the relative lack of existing expertise and resources in the field and the tremendous interest in the subject now being expressed by design professionals the need for information links among daylighting experts and between experts and building designers has become apparent. The intent of this publication is to fill that need by providing current listings of individuals and organizations that are actively engaged in daylighting work and related publications and upcoming events of interest. This directory was compiled from information contained in the survey response forms which were filled out and returned to us over the last few months. Responsibility for the accuracy and completeness of each survey form lies entirely with the respondents.

The directory is composed of five parts.

1. Participant Survey Response: Contains the survey response forms as submitted to us, listed alphabetically by responding organization.
2. Activity Index: Lists individual respondents alphabetically, showing the daylighting activities each has checked. Allows the reader to quickly identify the individuals working in a specific area. Once an individual is identified, turn to the "Individual Index" to find the page numbers where that individual may be located in other areas of the directory.
3. Individual Index: Lists individual respondents alphabetically.
4. Daylighting publications: Lists the publications by each respondent (authors listed alphabetically).
5. Notes of Interest: Contains a variety of information on meetings, conferences, new projects and publications, etc. This material was collected from a variety of sources in addition to the survey respondents.

We will update and republish this document at irregular intervals as additional information is compiled. The format and organization is informal and we welcome suggestions as to how successive issues might be changed and/or expanded to increase their usefulness to readers. The information we have collected is also being entered into a computerized data base system with extensive search capabilities. As the directory grows in size, this will allow us to provide updates and specialized searches with a minimum of effort and cost.

This revised issue falls far short of including all those who are active and involved in the field of daylighting. We solicit your assistance in identifying other individuals and other groups who should be included in future issues.

Introduction

This publication is being undertaken as a joint effort by the Illuminating Engineering Society (IES) Daylighting Committee and by the Lawrence Berkeley Laboratory as part of its DOE sponsored Energy Efficient Buildings Program.

The IES Daylighting Committee has been responsible over the last 30 years for developing a design and engineering basis for daylighting design in the United States, and updates and revises the recommended practices and the chapters on daylighting in the IES Handbook. Contact Ben Evans, Chairperson for additional information.

Lawrence Berkeley Laboratory is responsible for the DOE Daylighting Program, supported by the Office of Buildings and Community Systems. Research, demonstration, information dissemination and educational activities throughout the United States are planned and sponsored through LBL. Funding from this program currently supports efforts to: develop an availability data base, build artificial skies for model studies, develop simplified design methods, commercialize improved lighting control systems, demonstrate daylighting systems in buildings, study daylighting/thermal tradeoffs, develop novel daylight techniques, and produce and disseminate educational packages for schools and design professionals. Contact Steve Selkowitz for additional information about the daylighting projects.

Ben Evans
c/o College of Architecture & Urban Studies
Virginia Polytechnic Institute
Blacksburg, VA 24061
(703) 961-5383

Stephen Selkowitz, Joyce Popendorf
Energy Efficient Windows & Daylighting Program
Bldg. 90, Rm. 3111
Lawrence Berkeley Laboratory
Berkeley, CA 94720
(415) 486-5605

Participant Survey Response

FIRM/ORGANIZATION	American Solar	DATE	5/80
ADDRESS	4421 N 13th Place, Phoenix AZ. 85014		
	2116 Center St., Garden City, KA. ZIP 67846		
NAME	William Rhodes		PHONE (602) 274-1303
POSITION/TITLE	Research Director		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
Design and manufacturer of a sun tracking heliostat for beam daylighting.	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	X
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
USER RESPONSE		
RECENT PUBLICATIONS/PRESENTATIONS	BUILDING DESIGNER	

FIRM/ORGANIZATION	APTEK CONSULTANTS		DATE	4/14/80
ADDRESS	P.O. Box 704 Pacifica, CA		ZIP	94044
NAME	Fred J. Klammt		PHONE (415)	728-7046
POSITION/TITLE	Project Engineer			

CURRENT DAYLIGHTING ACTIVITIES Designing two passive solar homes involving extensive daylighting. Consulting on several projects including: technical energy audits, feasibility studies and active solar retrofits. Design and construction in retrofitting existing buildings to utilize passive solar and daylighting. Specializing in energy budgeting, EUI compilation and HVAC and lighting interaction. Utilizing TI-59 for design assistance.	ACTIVITY SUMMARY	✓
	AVAILABILITY	X
	DESIGN METHODS	
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	X
	SKYLIGHTS	
	GLARE	
RECENT PUBLICATIONS/PRESENTATIONS	THERMAL/ILLUMIN.	X
	USER RESPONSE	
	BUILDING DESIGNER	X

Participant Survey Response

FIRM/ORGANIZATION <u>ARCHITECTS SOUTH, INC.</u>		DATE <u>3-18-80</u>
ADDRESS <u>719 South 20th Street</u> <u>Birmingham, Alabama</u> ZIP <u>35233</u>		
NAME /TITLE <u>AUBREY GARRISON III, AIA, President</u>		PHONE <u>(205) 322-6392</u>
NAME /TITLE <u>JERRY A. SHADIX AIA, Architect</u>		

CURRENT DAYLIGHTING ACTIVITIES Research, design and implementation of daylighting concepts integral with passive solar and conventional architectural projects. Research includes modeling of concepts. Recent project experience by firm's architects includes office buildings and educational facilities. RECENT PUBLICATIONS/PRESENTATIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">ACTIVITY SUMMARY</th> <th style="text-align: center;">✓</th> </tr> <tr><td>AVAILABILITY</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>DESIGN METHODS</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>CONTROLS-LIGHT</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>CONTROLS-SOLAR</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>HISTORICAL REVIEW</td><td></td><td></td></tr> <tr><td>CASE STUDIES</td><td></td><td></td></tr> <tr><td>BEAM SUNLIGHTING</td><td></td><td></td></tr> <tr><td>SKYLIGHTS</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>GLARE</td><td></td><td></td></tr> <tr><td>THERMAL/ILLUMIN.</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>USER RESPONSE</td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td>BUILDING DESIGNER</td><td></td><td></td></tr> </table>	ACTIVITY SUMMARY		✓	AVAILABILITY		X	DESIGN METHODS		X	CONTROLS-LIGHT		X	CONTROLS-SOLAR		X	HISTORICAL REVIEW			CASE STUDIES			BEAM SUNLIGHTING			SKYLIGHTS		X	GLARE			THERMAL/ILLUMIN.		X	USER RESPONSE																		BUILDING DESIGNER		
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USER RESPONSE																																																							
BUILDING DESIGNER																																																							

FIRM/ORGANIZATION <u>BELL LABS</u>		DATE <u>3/3/80</u>
ADDRESS <u>Room 4B-423</u> <u>Bell Labs, Holmdel, New Jersey</u> ZIP <u>07733</u>		
NAME <u>Michel A. Duguay</u>		PHONE <u>(201) 949-3935</u>
POSITION/TITLE <u>Research Physicist</u>		

CURRENT DAYLIGHTING ACTIVITIES Design Solar Concentrators and Lens Light Guides for Beam Sunlighting. Consulting on Minneapolis Underground Sunlighting Project. RECENT PUBLICATIONS/PRESENTATIONS Applied Optics, Vol. 18, pp. 2081-2084, June '79 American Scientist, Vol. 65, pp. 422-427, July '77 Applied Optics, Vol. 16, pp. 1444-1446, May '77	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">ACTIVITY SUMMARY</th> <th style="text-align: center;">✓</th> </tr> <tr><td>AVAILABILITY</td><td></td><td></td></tr> <tr><td>DESIGN METHODS</td><td></td><td></td></tr> <tr><td>CONTROLS-LIGHT</td><td></td><td></td></tr> <tr><td>CONTROLS-SOLAR</td><td></td><td></td></tr> <tr><td>HISTORICAL REVIEW</td><td></td><td></td></tr> <tr><td>CASE STUDIES</td><td></td><td></td></tr> <tr><td>BEAM SUNLIGHTING</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>SKYLIGHTS</td><td></td><td style="text-align: center;">X</td></tr> <tr><td>GLARE</td><td></td><td></td></tr> <tr><td>THERMAL/ILLUMIN.</td><td></td><td></td></tr> <tr><td>USER RESPONSE</td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td>BUILDING DESIGNER</td><td></td><td></td></tr> </table>	ACTIVITY SUMMARY		✓	AVAILABILITY			DESIGN METHODS			CONTROLS-LIGHT			CONTROLS-SOLAR			HISTORICAL REVIEW			CASE STUDIES			BEAM SUNLIGHTING		X	SKYLIGHTS		X	GLARE			THERMAL/ILLUMIN.			USER RESPONSE															BUILDING DESIGNER		
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BUILDING DESIGNER																																																				

Participant Survey Response

FIRM/ORGANIZATION <u>BICKLE/CM INC.</u>		DATE <u>8/8/79</u>
ADDRESS <u>2403 San Mateo, NE Suite S-8</u> <u>Albuquerque, NM</u>		ZIP <u>87110</u>
NAME <u>Jim McNamara</u>		PHONE (505) <u>265-3751</u>
POSITION/TITLE <u>Program Manager</u>		

CURRENT DAYLIGHTING ACTIVITIES Our Goals: - Optimize the building shell for passive heating or cooling and daylight. - To consider daylight as having a major contribution in reducing a building's energy budget. Projects(Energy consultant): - 45 story Office Building in Sinapore - Modular Biology Building, City of Hope National Medical Center. - Small office building, Albuquerque, New Mexico. RECENT PUBLICATIONS/PRESENTATIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">ACTIVITY SUMMARY</th> <th style="text-align: center;">✓</th> </tr> <tr><td>AVAILABILITY</td><td style="text-align: center;">☐</td></tr> <tr><td>DESIGN METHODS</td><td style="text-align: center;">☐</td></tr> <tr><td>CONTROLS-LIGHT</td><td style="text-align: center;">☐</td></tr> <tr><td>CONTROLS-SOLAR</td><td style="text-align: center;">☐</td></tr> <tr><td>HISTORICAL REVIEW</td><td style="text-align: center;">☐</td></tr> <tr><td>CASE STUDIES</td><td style="text-align: center;">☐</td></tr> <tr><td>BEAM SUNLIGHTING</td><td style="text-align: center;">☐</td></tr> <tr><td>SKYLIGHTS</td><td style="text-align: center;">☐</td></tr> <tr><td>GLARE</td><td style="text-align: center;">☐</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td style="text-align: center;">☒</td></tr> <tr><td>USER RESPONSE</td><td style="text-align: center;">☐</td></tr> <tr><td> </td><td style="text-align: center;">☐</td></tr> <tr><td> </td><td style="text-align: center;">☐</td></tr> <tr><td> </td><td style="text-align: center;">☐</td></tr> <tr><td> </td><td style="text-align: center;">☐</td></tr> <tr><td>BUILDING DESIGNER</td><td style="text-align: center;">☐</td></tr> </table>	ACTIVITY SUMMARY	✓	AVAILABILITY	☐	DESIGN METHODS	☐	CONTROLS-LIGHT	☐	CONTROLS-SOLAR	☐	HISTORICAL REVIEW	☐	CASE STUDIES	☐	BEAM SUNLIGHTING	☐	SKYLIGHTS	☐	GLARE	☐	THERMAL/ILLUMIN.	☒	USER RESPONSE	☐		☐		☐		☐		☐	BUILDING DESIGNER	☐
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CONTROLS-LIGHT	☐																																		
CONTROLS-SOLAR	☐																																		
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	☐																																		
BUILDING DESIGNER	☐																																		

FIRM/ORGANIZATION <u>Howard Brandston Lighting Design, Inc.</u>		DATE <u>4/30/80</u>
ADDRESS <u>141 West 24th Street</u> <u>New York, N.Y.</u>		ZIP <u>10011</u>
NAME <u>Hayden N. McKay</u>		PHONE (212) <u>924-4050</u>
POSITION/TITLE <u>Architect, Project Designer/Manager</u>		

CURRENT DAYLIGHTING ACTIVITIES Analysis of natural lighting contitions and consequences on design of specific buildings. Consult and desing all aspects of architectural lighting. Developing computer programs to generate clear-sky daylight and solar illumination data as basis for design. RECENT PUBLICATIONS/PRESENTATIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">ACTIVITY SUMMARY</th> <th style="text-align: center;">✓</th> </tr> <tr><td>AVAILABILITY</td><td style="text-align: center;">☒</td></tr> <tr><td>DESIGN METHODS</td><td style="text-align: center;">☒</td></tr> <tr><td>CONTROLS-LIGHT</td><td style="text-align: center;">☒</td></tr> <tr><td>CONTROLS-SOLAR</td><td style="text-align: center;">☒</td></tr> <tr><td>HISTORICAL REVIEW</td><td style="text-align: center;">☐</td></tr> <tr><td>CASE STUDIES</td><td style="text-align: center;">☒</td></tr> <tr><td>BEAM SUNLIGHTING</td><td style="text-align: center;">☐</td></tr> <tr><td>SKYLIGHTS</td><td style="text-align: center;">☒</td></tr> <tr><td>GLARE</td><td style="text-align: center;">☒</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td style="text-align: center;">☐</td></tr> <tr><td>USER RESPONSE</td><td style="text-align: center;">☐</td></tr> <tr><td> </td><td style="text-align: center;">☐</td></tr> <tr><td> </td><td style="text-align: center;">☐</td></tr> <tr><td> </td><td style="text-align: center;">☐</td></tr> <tr><td>BUILDING DESIGNER</td><td style="text-align: center;">☒</td></tr> </table>	ACTIVITY SUMMARY	✓	AVAILABILITY	☒	DESIGN METHODS	☒	CONTROLS-LIGHT	☒	CONTROLS-SOLAR	☒	HISTORICAL REVIEW	☐	CASE STUDIES	☒	BEAM SUNLIGHTING	☐	SKYLIGHTS	☒	GLARE	☒	THERMAL/ILLUMIN.	☐	USER RESPONSE	☐		☐		☐		☐	BUILDING DESIGNER	☒
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	☐																																
	☐																																
BUILDING DESIGNER	☒																																

FIRM/ORGANIZATION	California Energy Commission		DATE	8/3/79
	Conservation Division			
ADDRESS	1111 Howe Avenue			
	Sacramento, California	ZIP	95825	
NAME	Paula Burnette and Don Carner		PHONE (916)	920-6085
POSITION/TITLE	Energy Analyst/Energy Conservation Specialist			

CURRENT DAYLIGHTING ACTIVITIES -- Research Project Attitudes Toward Light in the Working Environment A random stratified sample of 500 office workers was given an attitudinal survey that obtained user response to questions on visibility/visual task performance, health of the eye, the working environment, and attitudes related to light. The Commission developed a special tool for photo-documenting the lighting environment of each subjects work space. Slides of the hemisphere over the workspace are now being coded and the physical data will be added to the attitudinal data for an analysis of relative contributions of the physical environment and attitudinal parameters to user satisfaction. Results are expected to be available at RECENT PUBLICATIONS/PRESENTATIONS /the end of November.	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	X
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	X
	THERMAL/ILLUMIN.	
	USER RESPONSE	X
BUILDING DESIGNER		

FIRM/ORGANIZATION <u>CATER & PARKS INC.</u>		DATE <u>9/10/79</u>
ADDRESS <u>212 So. 28th St.</u>		
<u>Briam, AL.</u>	ZIP <u>35233</u>	
NAME <u>Frank M. Cater</u>		PHONE (205) <u>251-9847</u>
POSITION/TITLE <u>Vice-President</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY ☒
Incorporating daylighting design into present projects as a supplement to artificial lighting		AVAILABILITY ☐
		DESIGN METHODS ☐
		CONTROLS-LIGHT ☐
		CONTROLS-SOLAR ☐
		HISTORICAL REVIEW ☐
		CASE STUDIES ☐
		BEAM SUNLIGHTING ☐
		SKYLIGHTS ☐
		GLARE ☐
		THERMAL/ILLUMIN. ☐
RECENT PUBLICATIONS/PRESENTATIONS		USER RESPONSE ☐
		☐
		☐
		☐
		☐
		☐
		BUILDING DESIGNER ☐

Participant Survey Response

FIRM/ORGANIZATION <u>COLUMBIA UNIVERSITY, DEPT. OF ARCH.</u>		DATE <u>4/8/80</u>
ADDRESS <u>New York, NY</u>		ZIP <u>10027</u>
NAME <u>Daniel C. Dunham</u>		PHONE (212) <u>472-9491</u>
POSITION/TITLE <u>Adj. Professor of Architecture and Planning</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY ☒
Teaching Columbia Univ. Course in Solar Energy Consulting - Energy Conservation in developing country building, esp. housing and educational structures. RECENT PUBLICATIONS/PRESENTATIONS		AVAILABILITY ☐
		DESIGN METHODS ☐
		CONTROLS-LIGHT ☐
		CONTROLS-SOLAR ☐
		HISTORICAL REVIEW ☐
		CASE STUDIES ☐
		BEAM SUNLIGHTING ☐
		SKYLIGHTS ☐
		GLARE ☐
		THERMAL/ILLUMIN. ☐
USER RESPONSE ☐		
		BUILDING DESIGNER ☐

FIRM/ORGANIZATION <u>Centre for Building Studies, Concordia University</u>		DATE <u>2/4/80</u>
ADDRESS <u>1455 de Maisonneuve, W., Montréal, Québec</u>		ZIP <u>H3G 1M8</u>
NAME <u>Robert White</u>		PHONE (514) <u>879-8547</u>
POSITION/TITLE <u>Assistant Professor</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY ☒
1. A 2m x 2m mirrored artificial sky is under construction for studies of atria and light wells. 2. A grant to study daylighting and thermal effects in atria spaces is underway. This work is sponsored by the National Research Council of Canada. 3. Teaching graduate illumination course emphasizing daylight for engineers. RECENT PUBLICATIONS/PRESENTATIONS 1. A short course "Daylight Design" on May 14, 1980, at the Centre. 2. "Sunpath Graphical Design Aids" SESCO Conference, August 18-21, 1979, P.E.I., Canada		AVAILABILITY ☒
		DESIGN METHODS ☒
		CONTROLS-LIGHT ☒
		CONTROLS-SOLAR ☒
		HISTORICAL REVIEW ☐
		CASE STUDIES ☐
		BEAM SUNLIGHTING ☐
		SKYLIGHTS ☒
		GLARE ☐
		THERMAL/ILLUMIN. ☐
USER RESPONSE ☐		
		BUILDING DESIGNER ☒

Participant Survey Response

FIRM/ORGANIZATION	DAVIDSON LABORATORY	DATE	8-1-79
ADDRESS	Stevens Institute of Technology 711 Hudson Street Hoboken, New Jersey		
	ZIP	07030	
NAME	Robert L. Van Dyck	PHONE (201)	420-5292
POSITION/TITLE	Research Engineer - Building Technology Research Division		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	✓
Currently, working with two thermally-insulated rooms joined by a window known as the Levolor Environmental Simulator. This facility consists of an indoor calorimeter and an "outdoor" solar simulator designed for the purpose of investigating venetian blinds and other glazing products for potential energy savings or solar energy collecting purposes.	AVAILABILITY	
	DESIGN METHODS	x
	CONTROLS-LIGHT	x
	CONTROLS-SOLAR	x
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	x
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	x
USER RESPONSE		
RECENT PUBLICATIONS/PRESENTATIONS		
"Investigation of Interior Shading for Energy Efficient Windows," (with Thomas P. Konen). Presented at the Mid-Atlantic Solar Energy Association Solar Glazing Conference, June 1979.		
	BUILDING DESIGNER	

FIRM/ORGANIZATION	DAYLIGHTING/ENERGY DESIGN ASSOCIATES	DATE	2/18/80
ADDRESS	2504 Capistrano Street Blacksburg, Virginia		
	ZIP	24060	
NAME	Benjamin H. Evans, AIA	PHONE (703)	951/7931
POSITION/TITLE	Principal		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	✓
- Chairman, IES Daylighting Committee 1979-80 - Daylight design consulting on several projects including, Shell Oil Complex, Houston; Cleveland Regional Transit Authority maintenance center; Golden, Colo. Telephone Bldg.; High-rise speculative office bldg., Houston; Educational bldg., Saudi Arabia - Preparation of book on designing buildings with daylight for Architectural Record Books; Publication Fall 1980 - Design and construction of 25' diameter simulated sky dome for testing scale models - Teaching daylighting to grad students-Virginia Tech Univ. - Resource person for IES regional 2-day seminars-daylight	AVAILABILITY	✓
	DESIGN METHODS	✓
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	✓
	BEAM SUNLIGHTING	
	SKYLIGHTS	✓
	GLARE	
	THERMAL/ILLUMIN.	
USER RESPONSE		
RECENT PUBLICATIONS/PRESENTATIONS		
"Thoughts on the Design of Buildings with Daylight"		
IES Recommended Practice of Daylighting - Revisions for 1979 edition		
	BUILDING DESIGNER	✓

Participant Survey Response

FIRM/ORGANIZATION <u>DESIGN OFFICE CONSORTIUM</u>		DATE <u>11.9.79</u>
ADDRESS <u>GUILDHALL PLACE</u>		
<u>CAMBRIDGE UK</u>		ZIP <u>CB2 300</u>
NAME <u>K S BURGESS</u>	PHONE () <u>0223 311246</u>	
POSITION/TITLE <u>APPLICATIONS CONSULTANT</u>		

CURRENT DAYLIGHTING ACTIVITIES PROVIDING A DAYLIGHT ANALYSIS SERVICE USING PUBLICLY AVAILABLE COMPUTER PROGRAMS. ADVISING COMPUTER USERS ON THE SUITABILITY OF PARTICULAR DAYLIGHT ANALYSIS PROGRAMS. RECENT PUBLICATIONS/PRESENTATIONS 'COMPUTER PROGRAMS FOR ENERGY IN BUILDINGS EVALUATION REPORT NUMBER THREE A comprehensive evaluation of eight computer programs for the prediction of daylighting in buildings. Price £5 (£2 TO MEMBERS OF DOC)	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
	USER RESPONSE	
	BUILDING DESIGNER	

FIRM/ORGANIZATION <u>Charles Eley Associates</u>		DATE <u>7/29/79</u>
ADDRESS <u>342 Green Street</u>		
<u>San Francisco, CA</u>		ZIP <u>94133</u>
NAME <u>Charles Eley, AIA</u>	PHONE (415) <u>398-6535</u>	
POSITION/TITLE <u>Principal</u>		

CURRENT DAYLIGHTING ACTIVITIES RECENT PUBLICATIONS/PRESENTATIONS	ACTIVITY SUMMARY	✓
	AVAILABILITY	x
	DESIGN METHODS	x
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
	USER RESPONSE	
		Architect
	BUILDING DESIGNER	x

Participant Survey Response

FIRM/ORGANIZATION <u>Energy Management Consultants, Inc.</u>		DATE <u>4-1-80</u>
ADDRESS <u>2150 Shattuck Avenue</u> <u>Berkeley, Ca.</u>		ZIP <u>94704</u>
NAME <u>Harvey Bryan</u>		PHONE <u>(415) 548-2270</u>
POSITION/TITLE <u>Associate</u>		

CURRENT DAYLIGHTING ACTIVITIES • Daylighting consultant to a number of architecture/engineering firms, as well as to governmental and commercial clients. • Developed an innovative daylighting calculation procedure that can utilize either a graphic or programmable hand calculator approach. • Daylighting design and analysis for several large office building complexes. • Organized and taught several daylighting courses for design professionals. RECENT PUBLICATIONS/PRESENTATIONS "Daylighting Design for the Sacramento State Office Building Competition", Proceedings of the 2nd National Passive Solar Conference, pp. 371-376, March, 1978. "A Simplified Daylighting Design Methodology for Clear Skies", Proceedings of the 3rd National Passive Solar Conference, pp. 114-120, January, 1979. "A Simplified Procedure for Calculating the Effects of Daylight from Clear Skies", Journal of the IES, pp. 142-151, April, 1980.	ACTIVITY SUMMARY ✓ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>AVAILABILITY</td><td></td></tr> <tr><td>DESIGN METHODS</td><td>X</td></tr> <tr><td>CONTROLS-LIGHT</td><td>X</td></tr> <tr><td>CONTROLS-SOLAR</td><td>X</td></tr> <tr><td>HISTORICAL REVIEW</td><td>X</td></tr> <tr><td>CASE STUDIES</td><td>X</td></tr> <tr><td>BEAM SUNLIGHTING</td><td>X</td></tr> <tr><td>SKYLIGHTS</td><td>X</td></tr> <tr><td>GLARE</td><td>X</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td>X</td></tr> <tr><td>USER RESPONSE</td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td>BUILDING DESIGNER</td><td></td></tr> </table>	AVAILABILITY		DESIGN METHODS	X	CONTROLS-LIGHT	X	CONTROLS-SOLAR	X	HISTORICAL REVIEW	X	CASE STUDIES	X	BEAM SUNLIGHTING	X	SKYLIGHTS	X	GLARE	X	THERMAL/ILLUMIN.	X	USER RESPONSE										BUILDING DESIGNER	
AVAILABILITY																																	
DESIGN METHODS	X																																
CONTROLS-LIGHT	X																																
CONTROLS-SOLAR	X																																
HISTORICAL REVIEW	X																																
CASE STUDIES	X																																
BEAM SUNLIGHTING	X																																
SKYLIGHTS	X																																
GLARE	X																																
THERMAL/ILLUMIN.	X																																
USER RESPONSE																																	
BUILDING DESIGNER																																	

FIRM/ORGANIZATION <u>Glumac and Associates, Inc.</u>		DATE <u>8/1/79</u>
ADDRESS <u>#1 Embarcadero Center</u> <u>San Francisco, CA</u>		ZIP <u>94111</u>
NAME <u>Rick Thomas</u>		PHONE <u>(415) 398-7667</u>
POSITION/TITLE <u>Vice-President</u>		

CURRENT DAYLIGHTING ACTIVITIES Building lighting systems which take advantage of daylighting by photo-control on-off or switching manually. Activities center around practical methods of calculating illum. levels and practical control methods Applications include: Retail stores (skylights/window) Office spaces RECENT PUBLICATIONS/PRESENTATIONS None	ACTIVITY SUMMARY ✓ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>AVAILABILITY</td><td></td></tr> <tr><td>DESIGN METHODS</td><td>X</td></tr> <tr><td>CONTROLS-LIGHT</td><td>X</td></tr> <tr><td>CONTROLS-SOLAR</td><td></td></tr> <tr><td>HISTORICAL REVIEW</td><td></td></tr> <tr><td>CASE STUDIES</td><td></td></tr> <tr><td>BEAM SUNLIGHTING</td><td></td></tr> <tr><td>SKYLIGHTS</td><td></td></tr> <tr><td>GLARE</td><td>X</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td></td></tr> <tr><td>USER RESPONSE</td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td>BUILDING DESIGNER</td><td>X</td></tr> </table>	AVAILABILITY		DESIGN METHODS	X	CONTROLS-LIGHT	X	CONTROLS-SOLAR		HISTORICAL REVIEW		CASE STUDIES		BEAM SUNLIGHTING		SKYLIGHTS		GLARE	X	THERMAL/ILLUMIN.		USER RESPONSE								BUILDING DESIGNER	X
AVAILABILITY																															
DESIGN METHODS	X																														
CONTROLS-LIGHT	X																														
CONTROLS-SOLAR																															
HISTORICAL REVIEW																															
CASE STUDIES																															
BEAM SUNLIGHTING																															
SKYLIGHTS																															
GLARE	X																														
THERMAL/ILLUMIN.																															
USER RESPONSE																															
BUILDING DESIGNER	X																														

FIRM/ORGANIZATION	J. W. Griffith	DATE	
ADDRESS	3921 Caruth Blvd. Dallas, TX	ZIP	75225
NAME	J. W. Griffith	PHONE (214)	368-3753
POSITION/TITLE			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	X
	CASE STUDIES	X
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
	USER RESPONSE	
	BUILDING DESIGNER	

RECENT PUBLICATIONS/PRESENTATIONS

Daylight & energy conscious design
ASHRAE Symposium Detroit conference
transactions 1979 Vol. 85 part 2

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Participant Survey Response

FIRM/ORGANIZATION <u>Hill, Miller Friedlaender Hollander, Inc.</u> DATE <u>3/20/80</u>	
ADDRESS <u>543 Green Street</u> <u>Cambridge, Massachusetts</u> ZIP <u>02139</u>	
NAME <u>Ted Fuetsch</u> PHONE (617) <u>492-2200</u>	
POSITION/TITLE <u>Architect</u>	

CURRENT DAYLIGHTING ACTIVITIES Martha's Vineyard Regional High School Vocational Shops - Completion of Construction Sept. 1980 9500 s.f. of daylighted shops. Diffuse, evenly distributed daylight - measured March 1980. Sunny day, 100 fc, cloudy day 40 fc. Jamaica Plain Police Station - Boston, Ma. Received D.O.E. passive solar grant to include passive solar and daylighting to reduce annual energy consumption. Currently in design development studying daylighting effectiveness with physical models. RECENT PUBLICATIONS/PRESENTATIONS	ACTIVITY SUMMARY ☒
	AVAILABILITY ☐
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☒
	CONTROLS-SOLAR ☒
	HISTORICAL REVIEW ☐
	CASE STUDIES ☐
	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☐
	GLARE ☒
	THERMAL/ILLUMIN. ☐
	USER RESPONSE ☐
	☐
	☐
	BUILDING DESIGNER ☒

FIRM/ORGANIZATION <u>IBM Scientific Center</u> DATE <u>7/26/79</u>	
ADDRESS <u>9045 Lincoln Blvd.</u> <u>Los Angeles, Ca.</u> ZIP <u>90045</u>	
NAME <u>Dr. S. A. Jurovics</u> PHONE (213) <u>670-8350</u>	
POSITION/TITLE <u>Member, Scientific Staff</u>	

CURRENT DAYLIGHTING ACTIVITIES A computer program has been developed which predicts the brightness at a point in a room due to natural light. The program accesses the data of J. V. Dave to obtain the direct and diffuse radiation exterior to the room. The lighting program has been integrated into a particular version of NBSLD. This version calculates optimal window sizes, taking into account the thermal/illumination tradeoff. RECENT PUBLICATIONS/PRESENTATIONS "Solar Radiation Data, Natural Lighting, and Building Energy Minimization," presented at ASHRAE Symposium, June 1979, Detroit, paper number DE-79-2 No. 1, and IBM LASC Report No. G320-2699.	ACTIVITY SUMMARY ☒
	AVAILABILITY ☐
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☒
	CONTROLS-SOLAR ☐
	HISTORICAL REVIEW ☐
	CASE STUDIES ☐
	BEAM SUNLIGHTING ☐
	SKYLIGHTS ☐
	GLARE ☐
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☐
	☐
	☐
	BUILDING DESIGNER ☐

Participant Survey Response

FIRM/ORGANIZATION <u>William Lam Associates, Inc.</u>		DATE <u>8/1/79</u>
ADDRESS <u>101 Foster Street</u> <u>Cambridge, MA</u>		ZIP <u>02138</u>
NAME <u>William Lam</u>		PHONE (617) <u>354-4502</u>
POSITION/TITLE <u>President</u>		

CURRENT DAYLIGHTING ACTIVITIES Consulting in several projects -- including TVA - Chattanooga, which uses beam sunlighting. Teaching at Harvard Graduate School of Design and M. I. T. in 1979-80. RECENT PUBLICATIONS/PRESENTATIONS Energy Inform Summer Workshop in Energy Conscious Design	ACTIVITY SUMMARY	☒
	AVAILABILITY	☐
	DESIGN METHODS	☒
	CONTROLS-LIGHT	☒
	CONTROLS-SOLAR	☒
	HISTORICAL REVIEW	☐
	CASE STUDIES	☐
	BEAM SUNLIGHTING	☒
	SKYLIGHTS	☒
	GLARE	☒
	THERMAL/ILLUMIN.	☒
	USER RESPONSE	☒
		☐
		☐
	Consultant to	☐
BUILDING DESIGNER	☒	

FIRM/ORGANIZATION <u>Lawrence Berkeley Laboratory</u>		DATE <u>5/80</u>
ADDRESS <u>Building 90, Room 3111</u> <u>Berkeley, Ca.</u>		ZIP <u>94720</u>
NAME <u>Robert Clear</u>		PHONE (415) <u>486-4098</u>
POSITION/TITLE <u>Staff Scientist</u>		

CURRENT DAYLIGHTING ACTIVITIES Simple calculator routines for daylighting and visibility calculations. RECENT PUBLICATIONS/PRESENTATIONS In Progress: "Cost Effective Visibility Based Design Proce- dures for General Office Lighting", with S. Berman "Procedures for Calculating the Effects of Daylighting with A Programmable Hand Calculator", with Bryan	ACTIVITY SUMMARY	☒
	AVAILABILITY	☐
	DESIGN METHODS	☒
	CONTROLS-LIGHT	☐
	CONTROLS-SOLAR	☐
	HISTORICAL REVIEW	☐
	CASE STUDIES	☐
	BEAM SUNLIGHTING	☐
	SKYLIGHTS	☐
	GLARE	☐
	THERMAL/ILLUMIN.	☐
	USER RESPONSE	☐
		☐
	BUILDING DESIGNER	☐

Participant Survey Response

FIRM/ORGANIZATION <u>Lawrence Berkeley Laboratory</u>		DATE <u>5/80</u>
ADDRESS <u>Building 90, Rm. 3111</u> <u>Berkeley, Ca.</u>		ZIP <u>94720</u>
NAME <u>Kreg M. Eacret</u>		PHONE <u>(415) 486-5605</u> <u>or 486-6848</u>
POSITION/TITLE <u>Research</u>		

CURRENT DAYLIGHTING ACTIVITIES In progress report detailing findings in the area of beamed daylighting. Research covered: 1.) Historical review & patent study 2.) Analysis of current beamed daylighting research 3.) Testing, analysis & computer simulation of various beamed daylighting prototypes. 4.) Presentation of various design solutions integrating beamed daylighting and solar control. RECENT PUBLICATIONS/PRESENTATIONS Above report to be published by Lawrence Berkeley Laboratory around mid-August, 1980.	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	x
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	x
	CASE STUDIES	x
	BEAM SUNLIGHTING	x
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
	USER RESPONSE	
	BUILDING DESIGNER	x

FIRM/ORGANIZATION <u>Lawrence Berkeley Laboratory</u>		DATE <u>5/80</u>
ADDRESS <u>Building 90, Room 3111</u> <u>Berkeley, Ca.</u>		ZIP <u>94720</u>
NAME <u>Francis Rubinstein</u>		PHONE <u>(415) 486-5605</u>
POSITION/TITLE <u>Staff Scientist, LBL/DOE Lighting Program</u>		

CURRENT DAYLIGHTING ACTIVITIES Integration of daylighting with switching and controls for lighting. Daylighting-related lighting controls demonstrations: 1.) P.G.E. , San Francisco - continuously dimmable lighting control system. 2.) World Trade Center, New York - programmable switching of lighting in conjunction with daylighting. RECENT PUBLICATIONS/PRESENTATIONS "Lighting Controls - A Survey of the Potential Market", (in progress).	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	x
	CONTROLS-LIGHT	xx
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
	USER RESPONSE	
	BUILDING DESIGNER	

FIRM/ORGANIZATION	Lawrence Berkeley Laboratory		DATE	12/79
ADDRESS	Bldg. 90, Rm. 3111 Berkeley, Ca.			
NAME	Stephen Selkowitz		ZIP	94720
POSITION/TITLE	Program Manager, LBL/DOE Daylighting Program			
PHONE	(415) 486-5605			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY
Responsible for DOE supported Windows and Daylighting Program. Program includes research, demonstration and educational activities designed to promote wide spread utilization of daylight in buildings. Projects include: 1. Daylighting availability studies and illumination/insolation correlations 2. Design and construction of a 24' diameter artificial sky for model studies 3. Demonstrations of energy savings from daylighting in two office buildings 4. Commercialization of dimmable fluorescent ballasts & improved lighting controls 5. Development of clear sky design methods and simplified design tools 6. Integration of daylighting capabilities into building thermal analysis models 7. Determination of impact of daylighting in utility loads & peak demands 8. Test and evaluation of beam sunliting concepts 9. Development and dissemination of Daylighting Educational Resource Package & DOE Daylighting Resource Center	AVAILABILITY DESIGN METHODS CONTROLS-LIGHT CONTROLS-SOLAR HISTORICAL REVIEW CASE STUDIES BEAM SUNLIGHTING SKYLIGHTS GLARE THERMAL/ILLUMIN. USER RESPONSE

RECENT PUBLICATIONS/PRESENTATIONS	BUILDING DESIGNER
"Beam Daylighting, An Alternative Illumination Technique", <u>Energy and Building</u> , Vol. No. 1, 1977.	
"Effective Daylighting in Buildings," Parts I and II, <u>Lighting Design and Applications</u> , Feb. and March, 1979.	
"Daylighting and Passive Solar Buildings", <u>Proceedings of the 3rd National Passive Solar Conference</u> , PP. 271-281, January, 1979.	

FIRM/ORGANIZATION	LIGHTING RESEARCH LABORATORY		DATE	7-31-79
ADDRESS	P O BOX 6193			
	ORANGE, CA		ZIP	92667
NAME	Bill F. Jones		PHONE (714)	771-1312
POSITION/TITLE	Owner			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	✓
	AVAILABILITY	x
	DESIGN METHODS	x
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	x
	GLARE	x
	THERMAL/ILLUMIN.	
	USER RESPONSE	
RECENT PUBLICATIONS/PRESENTATIONS		
	BUILDING DESIGNER	x

Participant Survey Response

FIRM/ORGANIZATION <u>LIGHTING RESEARCH UNIT G.S.B.E. U.N.S.W.</u>		DATE <u>4/80</u>
ADDRESS <u>P.O. Box 1</u> <u>Kensington, Australia</u> ZIP <u>2033</u>		
NAME <u>Nancy C. Rodgers</u>		PHONE (02) <u>662-3080</u>
POSITION/TITLE <u>Director - Lighting Research Unit and Senior Lecturer</u>		

CURRENT DAYLIGHTING ACTIVITIES 1. Beam Daylighting using reflecting and refracting systems - joint project with Solarch. 2. Daylighting availability studies in Australia. Daylighting measurement under various sky conditions for 10 locations in Australia. 3. Teaching undergraduates and graduates lighting design. RECENT PUBLICATIONS/PRESENTATIONS 1. RODGERS, Nancy "The potential of Beam Sunlighting." Lighting Design and Application, Vol. 9, No. 11, 11/79 2. ROGERS, Nancy "Efficient daylighting in buildings" IES Lighting Review, Vol. 41, No. 6, 12/79	ACTIVITY SUMMARY ✓ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>AVAILABILITY</td><td style="text-align: center;">X</td></tr> <tr><td>DESIGN METHODS</td><td></td></tr> <tr><td>CONTROLS-LIGHT</td><td></td></tr> <tr><td>CONTROLS-SOLAR</td><td></td></tr> <tr><td>HISTORICAL REVIEW</td><td></td></tr> <tr><td>CASE STUDIES</td><td></td></tr> <tr><td>BEAM SUNLIGHTING</td><td style="text-align: center;">X</td></tr> <tr><td>SKYLIGHTS</td><td></td></tr> <tr><td>GLARE</td><td></td></tr> <tr><td>THERMAL/ILLUMIN.</td><td></td></tr> <tr><td>USER RESPONSE</td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td>BUILDING DESIGNER</td><td style="text-align: center;">X</td></tr> </table>	AVAILABILITY	X	DESIGN METHODS		CONTROLS-LIGHT		CONTROLS-SOLAR		HISTORICAL REVIEW		CASE STUDIES		BEAM SUNLIGHTING	X	SKYLIGHTS		GLARE		THERMAL/ILLUMIN.		USER RESPONSE										BUILDING DESIGNER	X
AVAILABILITY	X																																
DESIGN METHODS																																	
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THERMAL/ILLUMIN.																																	
USER RESPONSE																																	
BUILDING DESIGNER	X																																

FIRM/ORGANIZATION <u>NASA Langley Research Center</u>		DATE <u>7/30/79</u>
ADDRESS <u>M/S 235</u> <u>Hampton, VA</u> ZIP <u>23665</u>		
NAME <u>Howard B. Edwards</u>		PHONE (804) <u>827-3907</u>
POSITION/TITLE <u>Chief, Instrument Research Division</u>		

CURRENT DAYLIGHTING ACTIVITIES Design of internally reflecting light pipes to carry both sunlight and sky light to inside rooms. Includes special effects such as spot lighting from sky light. RECENT PUBLICATIONS/PRESENTATIONS NASA Tech Brief No. LAR-12333, Optics for Natural Lighting, NASA Tech Briefs Summer 1978. Howard B. Edwards, Bringing Outdoor Light Indoors, The Virginia Engineer, Feb. 1979, p. 19.	ACTIVITY SUMMARY ✓ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>AVAILABILITY</td><td></td></tr> <tr><td>DESIGN METHODS</td><td></td></tr> <tr><td>CONTROLS-LIGHT</td><td></td></tr> <tr><td>CONTROLS-SOLAR</td><td></td></tr> <tr><td>HISTORICAL REVIEW</td><td></td></tr> <tr><td>CASE STUDIES</td><td></td></tr> <tr><td>BEAM SUNLIGHTING</td><td></td></tr> <tr><td>SKYLIGHTS</td><td></td></tr> <tr><td>GLARE</td><td></td></tr> <tr><td>THERMAL/ILLUMIN.</td><td></td></tr> <tr><td>USER RESPONSE</td><td></td></tr> <tr><td>LIGHT PIPES</td><td style="text-align: center;">✓</td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td>BUILDING DESIGNER</td><td></td></tr> </table>	AVAILABILITY		DESIGN METHODS		CONTROLS-LIGHT		CONTROLS-SOLAR		HISTORICAL REVIEW		CASE STUDIES		BEAM SUNLIGHTING		SKYLIGHTS		GLARE		THERMAL/ILLUMIN.		USER RESPONSE		LIGHT PIPES	✓							BUILDING DESIGNER	
AVAILABILITY																																	
DESIGN METHODS																																	
CONTROLS-LIGHT																																	
CONTROLS-SOLAR																																	
HISTORICAL REVIEW																																	
CASE STUDIES																																	
BEAM SUNLIGHTING																																	
SKYLIGHTS																																	
GLARE																																	
THERMAL/ILLUMIN.																																	
USER RESPONSE																																	
LIGHT PIPES	✓																																
BUILDING DESIGNER																																	

Participant Survey Response

FIRM/ORGANIZATION <u>NATIONAL FENESTRATION COUNCIL</u>		DATE <u>11/14/79</u>
ADDRESS <u>NATIONAL BUREAU OF STANDARDS BUILDING RESEARCH</u>		RM <u>B-104</u>
<u>WASHINGTON, D.C.</u>		ZIP <u>20234</u>
NAME <u>GARY GILLETTE</u>		PHONE <u>(301)921-3285</u>
POSITION/TITLE <u>RESEARCH ASSOCIATE</u>		

CURRENT DAYLIGHTING ACTIVITIES Effort is presently underway to develop daylighting algorithms for use in DOE-2 and other energy simulation computer programs. Daylight availability data will be collected for Washington, D.C. beginning early in 1980. RECENT PUBLICATIONS/PRESENTATIONS "A Review of the State-of-the-Art of Daylighting in Buildings" "The Energy Implications of Daylighting in Classroom Design"	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">ACTIVITY SUMMARY</th> </tr> <tr><td>AVAILABILITY</td><td style="text-align: center;">✓</td></tr> <tr><td>DESIGN METHODS</td><td style="text-align: center;">✓</td></tr> <tr><td>CONTROLS-LIGHT</td><td style="text-align: center;">✓</td></tr> <tr><td>CONTROLS-SOLAR</td><td style="text-align: center;">✓</td></tr> <tr><td>HISTORICAL REVIEW</td><td style="text-align: center;">✓</td></tr> <tr><td>CASE STUDIES</td><td style="text-align: center;">✓</td></tr> <tr><td>BEAM SUNLIGHTING</td><td style="text-align: center;">✓</td></tr> <tr><td>SKYLIGHTS</td><td style="text-align: center;">✓</td></tr> <tr><td>GLARE</td><td style="text-align: center;">✓</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td style="text-align: center;">✓</td></tr> <tr><td>USER RESPONSE</td><td style="text-align: center;">✓</td></tr> <tr><td>DAYLIGHT/ENERGY</td><td style="text-align: center;">✓</td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td>BUILDING DESIGNER</td><td style="text-align: center;">✓</td></tr> </table>	ACTIVITY SUMMARY		AVAILABILITY	✓	DESIGN METHODS	✓	CONTROLS-LIGHT	✓	CONTROLS-SOLAR	✓	HISTORICAL REVIEW	✓	CASE STUDIES	✓	BEAM SUNLIGHTING	✓	SKYLIGHTS	✓	GLARE	✓	THERMAL/ILLUMIN.	✓	USER RESPONSE	✓	DAYLIGHT/ENERGY	✓							BUILDING DESIGNER	✓
ACTIVITY SUMMARY																																			
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USER RESPONSE	✓																																		
DAYLIGHT/ENERGY	✓																																		
BUILDING DESIGNER	✓																																		

FIRM/ORGANIZATION <u>National Bureau of Standards</u>		DATE <u>7/30/79</u>
ADDRESS <u>National Bureau of Standards Building 226 Room B104</u>		
<u>Washington, D.C.</u>		ZIP <u>20234</u>
NAME <u>Dr. T. Kusuda / Stephen Treado</u>		PHONE <u>(301) 921-3501</u>
POSITION/TITLE <u>Group Leader, Thermal Analysis</u>		

CURRENT DAYLIGHTING ACTIVITIES Daylighting measurements under various sky conditions for different window characteristics and task portions. Mathematical modeling of total daylighting with respect to total hemispherical outdoor radiation. RECENT PUBLICATIONS/PRESENTATIONS Comparative Analysis between simplified daylighting calculations procedures and comprehensive interreflections model calculation procedures of CLIM and LUMEN-II. Third symposium on the use of Computer for Environmental Engineering Related to Buildings. BANFF May 1978.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">ACTIVITY SUMMARY</th> </tr> <tr><td>AVAILABILITY</td><td style="text-align: center;">✓</td></tr> <tr><td>DESIGN METHODS</td><td style="text-align: center;">✓</td></tr> <tr><td>CONTROLS-LIGHT</td><td style="text-align: center;">✓</td></tr> <tr><td>CONTROLS-SOLAR</td><td style="text-align: center;">✓</td></tr> <tr><td>HISTORICAL REVIEW</td><td style="text-align: center;">✓</td></tr> <tr><td>CASE STUDIES</td><td style="text-align: center;">✓</td></tr> <tr><td>BEAM SUNLIGHTING</td><td style="text-align: center;">✓</td></tr> <tr><td>SKYLIGHTS</td><td style="text-align: center;">✓</td></tr> <tr><td>GLARE</td><td style="text-align: center;">✓</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td style="text-align: center;">✓</td></tr> <tr><td>USER RESPONSE</td><td style="text-align: center;">✓</td></tr> <tr><td>ENERGY CONSERVATION</td><td style="text-align: center;">✓</td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td>BUILDING DESIGNER</td><td style="text-align: center;">✓</td></tr> </table>	ACTIVITY SUMMARY		AVAILABILITY	✓	DESIGN METHODS	✓	CONTROLS-LIGHT	✓	CONTROLS-SOLAR	✓	HISTORICAL REVIEW	✓	CASE STUDIES	✓	BEAM SUNLIGHTING	✓	SKYLIGHTS	✓	GLARE	✓	THERMAL/ILLUMIN.	✓	USER RESPONSE	✓	ENERGY CONSERVATION	✓					BUILDING DESIGNER	✓
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USER RESPONSE	✓																																
ENERGY CONSERVATION	✓																																
BUILDING DESIGNER	✓																																

FIRM/ORGANIZATION	SCHOOL OF ARCHITECTURE		DATE	4/2/80
ADDRESS	OKLAHOMA STATE UNIVERSITY STILLWATER, OKLAHOMA		ZIP	74078
NAME	LESTER L. BOYER	PHONE	(405)	624-6266
POSITION/TITLE	PROFESSOR OF ARCHITECTURE AND ARCHITECTURAL ENGINEERING			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY
GRADUATE PROGRAM ON ENVIRONMENTAL CONTROL IN ARCHITECTURE EMPHASIZES DAYLIGHTING AND PASSIVE ENERGY DESIGN.	AVAILABILITY ☒
FUNDED RESEARCH ON HABITABILITY AND PASSIVE ENERGY DESIGN IN EARTH SHELTERED ARCHITECTURE, INCLUDING DAYLIGHTING. OCCUPANT SURVEYS, INSTRUMENT MONITORING, AND HABITABILITY INDEX FORMULATION.	DESIGN METHODS ☒
	CONTROLS-LIGHT ☐
	CONTROLS-SOLAR ☐
	HISTORICAL REVIEW ☐
	CASE STUDIES ☒
SECOND ANNUAL EXTENSION COURSE ON "LIGHTING/ENERGY DESIGN IN BUILDINGS" TO PRACTICING BUILDING DESIGN PROFESSIONALS CONDUCTED IN JANUARY 1980.	BEAM SUNLIGHTING ☐
	SKYLIGHTS ☐
	GLARE ☐
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS	
BOYER, L.L.: "SUBTERRANEAN DESIGNS NEED DAYLIGHTING," EARTH SHELTER DIGEST 1 (4): 32, 1979.	
BOYER, L.L.: "DAYLIGHTING IN SUBTERRANEAN SPACES," PROCEEDINGS - GOING UNDER TO STAY ON TOP, UNDERGROUND SPACE CENTER, UNIV. OF MINNESOTA, MINNEAPOLIS, 18-20 NOV. 1979.	
	BUILDING DESIGNER

FIRM/ORGANIZATION <u>Pilkington Glass Ltd.</u>	DATE <u>8/79</u>
ADDRESS <u>101 Richmond St. West</u> <u>Toronto, Ontario, Canada</u>	ZIP <u>M5H 1V9</u>
NAME <u>Stan Metrick</u>	PHONE (416) <u>363-7561</u>
POSITION/TITLE <u>Technical Manager</u>	

CURRENT DAYLIGHTING ACTIVITIES	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; padding: 2px;">ACTIVITY SUMMARY</th> <th style="width: 20px; text-align: center; padding: 2px;">☒</th> </tr> <tr><td style="padding: 2px;">AVAILABILITY</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">DESIGN METHODS</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">CONTROLS-LIGHT</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">CONTROLS-SOLAR</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">HISTORICAL REVIEW</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">CASE STUDIES</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">BEAM SUNLIGHTING</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">SKYLIGHTS</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">GLARE</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">THERMAL/ILLUMIN.</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">USER RESPONSE</td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;"> </td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;"> </td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;"> </td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;"> </td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;"> </td><td style="text-align: center;">☐</td></tr> <tr><td style="padding: 2px;">BUILDING DESIGNER</td><td style="text-align: center;">☐</td></tr> </table>	ACTIVITY SUMMARY	☒	AVAILABILITY	☐	DESIGN METHODS	☐	CONTROLS-LIGHT	☐	CONTROLS-SOLAR	☐	HISTORICAL REVIEW	☐	CASE STUDIES	☐	BEAM SUNLIGHTING	☐	SKYLIGHTS	☐	GLARE	☐	THERMAL/ILLUMIN.	☐	USER RESPONSE	☐		☐		☐		☐		☐		☐	BUILDING DESIGNER	☐
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Participant Survey Response

FIRM/ORGANIZATION <u>Princeton Energy Group/Harrison Fraker, Architects</u> DATE <u>4/28/80</u>	
ADDRESS <u>729 Alexander Road</u> <u>Princeton, NJ</u> ZIP <u>08540</u>	
NAME <u>William W. Braham</u> PHONE (609) <u>452-8235</u>	
POSITION/TITLE <u>Design Analyst</u>	

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
development of computer programs and calculation methods for analysis of building daylighting configurations; development of estimating techniques to evaluate probable impact of daylight utilization on annual energy consumption analysis and design of prototype components for pre-engineered metal buildings which incorporate innovative daylighting and other passive/hybrid solar heating and cooling techniques analysis and design of low cost daylighting concepts for application in commercial and institutional buildings consulting services to other architecture and engineering firms	AVAILABILITY	X
	DESIGN METHODS	X
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	X
	GLARE	
	THERMAL/ILLUMIN.	X
RECENT PUBLICATIONS/PRESENTATIONS	USER RESPONSE	
	BUILDING DESIGNER	X

FIRM/ORGANIZATION <u>Harrison Fraker, Architects/Princeton Energy Group</u> DATE <u>4/28/80</u>	
ADDRESS <u>729 Alexander Road</u> <u>Princeton, NJ</u> ZIP <u>08540</u>	
NAME <u>Harrison Fraker, AIA</u> PHONE (609) <u>452-8235</u>	
POSITION/TITLE <u>Partner</u>	

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
development of design methods and curriculum packages for use in professional training of Architects design of prototype components for pre-engineered buildings (Butler Manufacturing Company) which incorporate innovative daylighting and other passive/hybrid solar techniques design of commercial and institutional buildings utilizing low cost daylighting concepts to reduce cooling and electrical loads teaching of currently available daylighting design methods (Graduate Studios, U. of Pennsylvania; continuing-education seminars for design professionals; development of correspondence course materials for design professionals	AVAILABILITY	X
	DESIGN METHODS	X
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	X
	CASE STUDIES	X
	BEAM SUNLIGHTING	
	SKYLIGHTS	X
	GLARE	
	THERMAL/ILLUMIN.	X
RECENT PUBLICATIONS/PRESENTATIONS	USER RESPONSE	X
"Princeton Library...", AIA Journal, vol. 68, no. 11, Sept. 1979, pp. 82-83		
Instructor, THE PASSIVE STUDIO, professional seminar under AIA Research Corporation and U.S. DOE sponsorship, April and May 1980		
	BUILDING DESIGNER	X

FIRM/ORGANIZATION <u>Princeton Energy Group/Harrison Fraker, Architects</u> DATE <u>4/28/80</u>	
ADDRESS <u>729 Alexander Road</u>	ZIP <u>08540</u>
<u>Princeton, NJ</u>	
NAME <u>William L. Glennie</u>	PHONE (609) <u>452-8235</u>
POSITION/TITLE <u>Design Analyst</u>	

FIRM/ORGANIZATION <u>Princeton Energy Group/Harrison Fraker, Architects</u>		DATE <u>4/28/80</u>
ADDRESS <u>729 Alexander Road</u>		
<u>Princeton, NJ</u>	ZIP <u>08540</u>	
NAME <u>Lawrence L. Lindsey</u>	PHONE (609) <u>452-8235</u>	
POSITION/TITLE <u>Partner</u>		

Participant Survey Response

FIRM/ORGANIZATION	RAMON LIGHTING CONSULTANT		DATE	8/10/79
ADDRESS	P.O. Box 14143 Atlanta, GA		ZIP	30324
NAME	Ramon A. Nova, P.E.		PHONE (404)	892-0353
POSITION/TITLE	President			

CURRENT DAYLIGHTING ACTIVITIES Santee-Cooper Power Authority Monck's Corner, S.C. Passive Solar Roof Study M.I.U., Fairfield, Iowa Harris Corporation Headquarters Melbourne, FL RECENT PUBLICATIONS/PRESENTATIONS	ACTIVITY SUMMARY	✓
	AVAILABILITY	X
	DESIGN METHODS	X
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	X
	CASE STUDIES	X
	BEAM SUNLIGHTING	X
	SKYLIGHTS	X
	GLARE	X
	THERMAL/ILLUMIN.	X
	USER RESPONSE	X
	BUILDING DESIGNER	X

FIRM/ORGANIZATION	Rohm and Haas Company		DATE	8/1/79
ADDRESS	Plastics Engineering Laboratory P.O. Box 219, Bristol, PA		ZIP	19007
NAME	William C. Burkhardt		PHONE (215)	785-8302
POSITION/TITLE	Applications Engineer			

CURRENT DAYLIGHTING ACTIVITIES We are currently providing a free service to Architects, Consulting Engineers, and Builder/Owners that analyzes the energy transfers thru a skylighted roof. It also predicts the illumination level (hourly and monthly) inside of a building with skylights on clear and overcast days. We also discuss light and solar control using tinted acrylic glazing. RECENT PUBLICATIONS/PRESENTATIONS Solar U-Number (S-U-N) Modifiers for Skylights, (ASHRAE), Annual Technical Conf., 6/27/79, Detroit, MI, ASHRAE Trans. 1979, Vol. 85, Part 2. (Cont'd.)	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	X
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	X
	GLARE	X
	THERMAL/ILLUMIN.	
	USER RESPONSE	
	BUILDING DESIGNER	

Skylights and Energy Conservation, (Second National Conf. On Technology For Energy Conservation), 1/24-27/78, Albuquerque, N.M.

Solar Optical Properties of Gray and Bronze Solar Control Series Transparent Acrylic Sheet, (ASHRAE), Semi-annual Technical Symposium, 1/75, Atlantic City, N.J.

Participant Survey Response

FIRM/ORGANIZATION <u>S & H Information Systems, Inc.</u>		DATE <u>8/1/79</u>																																		
ADDRESS <u>11 West 42nd St., New York, N.Y.</u>		ZIP <u>10036</u>																																		
NAME <u>Laheri Mehta, P.E.</u>	PHONE (212) <u>921-2807</u>																																			
POSITION/TITLE <u>Technical Director</u>																																				
CURRENT DAYLIGHTING ACTIVITIES		<table border="1"> <tr><td>ACTIVITY SUMMARY</td><td>✓</td></tr> <tr><td>AVAILABILITY</td><td>✓</td></tr> <tr><td>DESIGN METHODS</td><td>✓</td></tr> <tr><td>CONTROLS-LIGHT</td><td>✓</td></tr> <tr><td>CONTROLS-SOLAR</td><td>✓</td></tr> <tr><td>HISTORICAL REVIEW</td><td>✓</td></tr> <tr><td>CASE STUDIES</td><td>✓</td></tr> <tr><td>BEAM SUNLIGHTING</td><td>✓</td></tr> <tr><td>SKYLIGHTS</td><td>✓</td></tr> <tr><td>GLARE</td><td>✓</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td>✓</td></tr> <tr><td>USER RESPONSE</td><td>✓</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td>BUILDING DESIGNER</td><td> </td></tr> </table>	ACTIVITY SUMMARY	✓	AVAILABILITY	✓	DESIGN METHODS	✓	CONTROLS-LIGHT	✓	CONTROLS-SOLAR	✓	HISTORICAL REVIEW	✓	CASE STUDIES	✓	BEAM SUNLIGHTING	✓	SKYLIGHTS	✓	GLARE	✓	THERMAL/ILLUMIN.	✓	USER RESPONSE	✓									BUILDING DESIGNER	
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USER RESPONSE	✓																																			
BUILDING DESIGNER																																				
RECENT PUBLICATIONS/PRESENTATIONS																																				

FIRM/ORGANIZATION <u>SIZEMORE/CRS</u>		DATE <u>7/24/79</u>																																		
ADDRESS <u>1900 Emory St. N.W.</u> <u>Atlanta, GA</u>		ZIP <u>30318</u>																																		
NAME <u>(Mike) Sizemore, Michael M.</u>	PHONE (404) <u>351-5236</u>																																			
POSITION/TITLE <u>Director Sizemore/CRS, Vice President CRS.</u>																																				
CURRENT DAYLIGHTING ACTIVITIES Design of Daylighting on Design Teams of: - Tennessee Valley Authority Office of Power Complex, Chattanooga. - Solar Energy Research Institute, Golden. - Santee-Cooper Power Authority Monck's Corner, S.C.		<table border="1"> <tr><td>ACTIVITY SUMMARY</td><td>✓</td></tr> <tr><td>AVAILABILITY</td><td>X</td></tr> <tr><td>DESIGN METHODS</td><td>X</td></tr> <tr><td>CONTROLS-LIGHT</td><td>X</td></tr> <tr><td>CONTROLS-SOLAR</td><td>X</td></tr> <tr><td>HISTORICAL REVIEW</td><td> </td></tr> <tr><td>CASE STUDIES</td><td>X</td></tr> <tr><td>BEAM SUNLIGHTING</td><td>X</td></tr> <tr><td>SKYLIGHTS</td><td>X</td></tr> <tr><td>GLARE</td><td>X</td></tr> <tr><td>THERMAL/ILLUMIN.</td><td>X</td></tr> <tr><td>USER RESPONSE</td><td>X</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td>BUILDING DESIGNER</td><td>X</td></tr> </table>	ACTIVITY SUMMARY	✓	AVAILABILITY	X	DESIGN METHODS	X	CONTROLS-LIGHT	X	CONTROLS-SOLAR	X	HISTORICAL REVIEW		CASE STUDIES	X	BEAM SUNLIGHTING	X	SKYLIGHTS	X	GLARE	X	THERMAL/ILLUMIN.	X	USER RESPONSE	X									BUILDING DESIGNER	X
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THERMAL/ILLUMIN.	X																																			
USER RESPONSE	X																																			
BUILDING DESIGNER	X																																			
RECENT PUBLICATIONS/PRESENTATIONS Book: <u>Energy Planning For Buildings</u> <u>Published by American Institute of Architects</u>																																				

Participant Survey Response

FIRM/ORGANIZATION	SHELLEY, DEAN & FULLER ARCHITECTS	DATE	3/1/80
ADDRESS	4331 Piedmont Avenue Oakland, CA ZIP 94611		
NAME	Edward Dean	PHONE	(415) 658-1211
POSITION/TITLE	Principal		
CURRENT DAYLIGHTING ACTIVITIES			
Assistant Prof., U.C. Berkeley			
Teaching - integrated courses in Building Science, undergraduate design studio emphasizing lighting problems.			
Research - development of graphical techniques of window design to maximize daylighting potential.			
S.D.F. Research project on impact of daylighting on cooling energy savings produced by utilizing the thermal mass of the floor system in large buildings.			
RECENT PUBLICATIONS/Presentations			
BUILDING DESIGNER	X		

FIRM/ORGANIZATION	Smith Hinchman & Grylls Assoc., Inc		DATE	7/25/79
ADDRESS	455 W. Fort Detroit, Michigan		ZIP	48226
NAME	David L. DiLaura		PHONE	(313) 964-3000
POSITION/TITLE	Illuminating Engineer			

FIRM/ORGANIZATION	<u>SMITH, HINCHMAN & GRYLLS ASSOCIATES, INC.</u>		DATE	<u>4/22/80</u>
ADDRESS	<u>455 West Fort Street</u>			
	<u>Detroit, Michigan</u>	ZIP	<u>48226</u>	
NAME	<u>Martin M. McCloskey</u>		PHONE (313)	<u>964-3000</u>
POSITION/TITLE	<u>Illuminating Engineer</u>			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
Developing a FORTRAN computer program under contract with LBL to predict the energy savings potential of lighting control systems that respond to daylighting. Stepped level, linear, and non-linear power versus light relationships will be able to be analyzed under a broad range of scheduling conditions.	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
USER RESPONSE		
RECENT PUBLICATIONS/PRESENTATIONS		
	BUILDING DESIGNER	

FIRM/ORGANIZATION	<u>SOL-ARC, ARCHITECTS AND ENERGY CONSULTANTS</u>		DATE	<u> </u>
ADDRESS	<u>2040 ADDISON STREET</u>			
	<u>BERKELEY, CALIFORNIA</u>		ZIP	<u>94704</u>
NAME	<u>David Baker/Jose Garcia</u>		PHONE (415)	<u>548-6871</u>
POSITION/TITLE	<u> </u>			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
Design of daylighting systems for the following projects: Trenton Civic & Trade Center, Trenton, N.J. Columbia Center, San Diego, California New State Office Building, San Jose, California Mama Lina Ravioli Factory, San Diego, California Riverside National Bank, Riverside, California	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	X
	GLARE	
	THERMAL/ILLUMIN.	
USER RESPONSE		
BUILDING DESIGNER	X	

Participant Survey Response

FIRM/ORGANIZATION <u>SOLAR ENERGY RESEARCH INSTITUTE/ passive tech.</u> br-DATE <u>14 Sept.</u> 79	
ADDRESS <u>1536 Cole Blvd.</u> <u>Golden, Colorado</u> ZIP <u>80401</u>	
NAME <u>Steven E. Ternoey</u>	PHONE (<u>303</u>) <u>231-1185</u>
POSITION/TITLE <u>Architect</u>	

CURRENT DAYLIGHTING ACTIVITIES * Compiling Daylighting Bibliography * Technical Report on daylighting design methodologies * Simple comparative analysis of predicted and measured daylight performance. * Select concept generation, testing and assessment of combined lighting, heating and cooling systems for commercial buildings. RECENT PUBLICATIONS/PRESENTATIONS * Directory of People in Daylighting	ACTIVITY SUMMARY ☒
	AVAILABILITY ☐
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☐
	CONTROLS-SOLAR ☐
	HISTORICAL REVIEW ☐
	CASE STUDIES ☒
	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☐
	☐
	BUILDING DESIGNER ☒

FIRM/ORGANIZATION <u>Southern California Edison Company</u> DATE <u>8-3-79</u>	
ADDRESS <u>P.O. Box 800</u> <u>Rosemead, California</u> ZIP <u>91770</u>	
NAME <u>Andrew V. Bonner</u>	PHONE (213) <u>572-2020</u>
POSITION/TITLE <u>Lighting Services Coordinator</u>	

CURRENT DAYLIGHTING ACTIVITIES Member-CEC Daylighting Task Force RECENT PUBLICATIONS/PRESENTATIONS	ACTIVITY SUMMARY ☒
	AVAILABILITY ☐
	DESIGN METHODS ☐
	CONTROLS-LIGHT ☐
	CONTROLS-SOLAR ☐
	HISTORICAL REVIEW ☐
	CASE STUDIES ☐
	BEAM SUNLIGHTING ☐
	SKYLIGHTS ☐
	GLARE ☐
	THERMAL/ILLUMIN. ☐
	USER RESPONSE ☐
	☐
	BUILDING DESIGNER ☐

Participant Survey Response

FIRM/ORGANIZATION	STEVENS LUMINOPTICS CORPORATION		DATE	7/27/79
ADDRESS	12907 "H" Alcosta Blvd. San Ramon, California		ZIP	94583
NAME	W.R. Alling		PHONE	(415) 838-8092
POSITION/TITLE	Vice President & General Manager			

CURRENT DAYLIGHTING ACTIVITIES Energy efficient lighting, electronic ballasts, proportional photocell controls for lighting, integrated skylight systems. In the process of developing four daylighting demonstration programs in various parts of the country utilizing both HID and fluorescent light sources. RECENT PUBLICATIONS/PRESENTATIONS	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	x
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	x
	GLARE	
	THERMAL/ILLUMIN.	x
	USER RESPONSE	
	BUILDING DESIGNER	

FIRM/ORGANIZATION	TLA-LIGHTING CONSULTANTS, INC.		DATE	3/20/80
ADDRESS	72 Loring Avenue Salem, MA		ZIP	01970
NAME	Thomas M. Lemons/Anne V. Robinson & Franz Euler		PHONE	(617) 745-6870
POSITION/TITLE	Principal/Senior Consultants			

CURRENT DAYLIGHTING ACTIVITIES - Conducted Daylight Design Seminars Nov. 1 & 2, 1979 University of New Hampshire May 6 & 7, 1980 New York City - Daylight Study for Kenya Office Building - Model Study for Holland Michigan Office Building - Consultant and Reviewer for Energy Inform Program of AIA/Research Corporation RECENT PUBLICATIONS/PRESENTATIONS Daylight Design Seminars Nov. 1 & 2, 1979 May 6 & 7, 1980	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	x
	CONTROLS-LIGHT	x
	CONTROLS-SOLAR	x
	HISTORICAL REVIEW	
	CASE STUDIES	x
	BEAM SUNLIGHTING	x
	SKYLIGHTS	x
	GLARE	x
	THERMAL/ILLUMIN.	x
	USER RESPONSE	
	BUILDING DESIGNER	

Participant Survey Response

FIRM/ORGANIZATION	DEPARTMENT OF ARCHITECTURAL ENGINEERING		DATE	8-1-79
ADDRESS	THE PENNSYLVANIA STATE UNIVERSITY			
	UNIVERSITY PARK, PA.	ZIP	16802	
NAME	JOHN E. FLYNN		PHONE	(814) 863-2085
POSITION/TITLE	PROFESSOR OF ARCHITECTURAL ENGINEERING			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	✓
WORK AIMED AT DEVELOPING A COMPUTERIZED PROGRAM FOR PREDICTING AND EVALUATING DAYLIGHTING PERFORMANCE IN A MANNER THAT CAN INTERFACE WITH THERMAL ANALYSIS (PSU/DLT)	AVAILABILITY	X
	DESIGN METHODS	X
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	X
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	X
USER RESPONSE	X	
RECENT PUBLICATIONS/PRESENTATIONS		
"A REVIEW OF THE STATE-OF-THE-ART FOR DAYLIGHTING BUILDINGS" MARCH 1979 (with Howard Kingsbury, Gary Gillette)		
	BUILDING DESIGNER	

FIRM/ORGANIZATION	The Pennsylvania State University		DATE	7-30-79
ADDRESS	204 Engineering 'A' - Dept. of Architectural Engineering			
	University Park, Pennsylvania	ZIP	16802	
NAME	H. F. Kingsbury		PHONE	(814) 863-2076
POSITION/TITLE	Associate Professor			

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	✓
Have research grant from private sponsor to investigate coordination of thermal and luminous calculations via computer program.	AVAILABILITY	X
	DESIGN METHODS	X
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	X
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
USER RESPONSE		
RECENT PUBLICATIONS/PRESENTATIONS		
With John Flynn & Gary Gillette, have made report to sponsor on a "Review of the Current State of the Art on Daylighting".		
	BUILDING DESIGNER	

Participant Survey Response

FIRM/ORGANIZATION <u>JULES THORN LIGHTING LABORATORY</u>		DATE <u>19/9/79</u>
ADDRESS <u>Great Cambridge Road</u> <u>Enfield, Middlesex, England</u>		ZIP <u>Enf 111L</u>
NAME <u>J.A. LYNES</u>		PHONE () <u>01- 363-5353</u>
POSITION/TITLE <u>Project Engineer</u>		

CURRENT DAYLIGHTING ACTIVITIES Research and consultanting in all aspects of lighting	ACTIVITY SUMMARY	✓
	AVAILABILITY	X
	DESIGN METHODS	X
	CONTROLS-LIGHT	XX
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	X
	GLARE	
	THERMAL/ILLUMIN.	X
	USER RESPONSE	
	RECENT PUBLICATIONS/PRESENTATIONS	
	"Principles of Natural Lighting", Applied Science Publishers	
"Developments in Lighting "(editor) " " "		
Joint Paper w Crisp, Collins & Hunt, CIE Conference, Kyoto, ^{Aug.} 1979		
BUILDING DESIGNER		

FIRM/ORGANIZATION <u>Eric Thrun Associates, Ltd.</u>		DATE <u>30-07-79</u>
ADDRESS <u>200-1177 W. Broadway</u> <u>Vancouver, B.C., Canada</u>		ZIP <u>V6H-3N5</u>
NAME <u>Eric Thrun P. Eng.</u>		PHONE (604) <u>734-4123</u>
POSITION/TITLE <u>President</u>		

CURRENT DAYLIGHTING ACTIVITIES Lumen II computer analysis of levels of classical raw illumination & equivalent sphere illumination available from daylight in typical office/school spaces (contract with public works, Canada). Variables included 2 days of the year, 3 times per day, cloudy & clear sky, 3 latitudes, window overhang & no overhang, 3 room sizes, 4 window orientations.	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	X
	USER RESPONSE	
	RECENT PUBLICATIONS/PRESENTATIONS	
	Report to be completed Sept. 1979 & will contain 81 color daylight graphs covering 4 viewing directions for each of 864 conditions	
BUILDING DESIGNER		

Participant Survey Response

FIRM/ORGANIZATION <u>TISHMAN RESEARCH CORPORATION</u>		DATE <u>Aug. 1979</u>
ADDRESS <u>666 Fifth Avenue</u>		
<u>New York, NY</u>		ZIP <u>10019</u>
NAME <u>Oscar Turner</u>	PHONE (212) <u>399-3285</u>	
POSITION/TITLE <u>Architect</u>		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY ☒
1. Evaluating construction projects for application of daylighting.	AVAILABILITY ☐
	DESIGN METHODS ☐
	CONTROLS-LIGHT ☐
	CONTROLS-SOLAR ☐
2. Working as consultant to PPG to promote daylighting concepts with owners, designers and code officials.	HISTORICAL REVIEW ☐
	CASE STUDIES ☐
	BEAM SUNLIGHTING ☐
	SKYLIGHTS ☐
	GLARE ☐
	THERMAL/ILLUMIN. ☐
	USER RESPONSE ☐
RECENT PUBLICATIONS/PRESENTATIONS	
1. The National Real Estate Investor, August, 1979	
"Window Management Can Lead to Energy Savings"	
	BUILDING DESIGNER ☐

FIRM/ORGANIZATION <u>US Navy Civil Engineering Laboratory</u>		DATE <u>1-28-80</u>
ADDRESS <u>Naval Construction Battalion Center</u>		
<u>Port Hueneme, CA</u>		ZIP <u>93043</u>
NAME <u>William Pierpoint</u>	PHONE (805) <u>982-5778</u>	
POSITION/TITLE <u>Electrical Engineer</u>		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY ☒
Lighting Computer Program CEL-1 is being developed under contract by Flack & Kurtz Consulting Engineers. This will be a public domain computer program for interior lighting design and for annual energy consumption from use of various lighting controls. Estimated completion date is March 1981.	AVAILABILITY ☒
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☒
	CONTROLS-SOLAR ☐
	HISTORICAL REVIEW ☐
	CASE STUDIES ☐
	BEAM SUNLIGHTING ☐
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS	
"Equi-Visibility Lighting Control Principles," was presented at the 1979 Annual Illuminating Engineering Society Technical Conference, Atlantic City, NJ.	
	BUILDING DESIGNER ☒

Participant Survey Response

FIRM/ORGANIZATION	UCLA School of Architecture		DATE	July '79
ADDRESS	405 Hilgard Ave. Los Angeles, California		ZIP	90024
NAME	Murray Milne	PHONE	(213) 825-7370	
POSITION/TITLE	Professor			

CURRENT DAYLIGHTING ACTIVITIES - SOLAR-2 computer model of direct sunlight penetration for design of fins, overhangs. - Teaching course on Natural/Artificial Light for architects. RECENT PUBLICATIONS/PRESENTATIONS - SOLAR-2 - described in ISES Proceedings 1977 (Orlando conference).	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	X
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	X
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	X
	USER RESPONSE	
	TEACH COURSE	X
	BUILDING DESIGNER	X

FIRM/ORGANIZATION	UNIVERSITY OF COLORADO		DATE	4/10/80
ADDRESS	Eng. Ctr. OT4-34 Campus Box 428 Boulder, Colorado		ZIP	80309
NAME	Ronald N. Helms, Ph.D., P. E.	PHONE	(303) 492-7315	
POSITION/TITLE	Professor of Illumination Engineering			

CURRENT DAYLIGHTING ACTIVITIES - Development of a daylighting/HVAC optimization program. - Summer insitutes on Lighting and Energy Conservation include daylight. - Published book - "Illumination Engineering for Energy Efficient Luminous Environments", by Prentice Hall, Chapter 10 of my book deals with the subject of daylighting. RECENT PUBLICATIONS/PRESENTATIONS	ACTIVITY SUMMARY	✓
	AVAILABILITY	X
	DESIGN METHODS	
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	X
	THERMAL/ILLUMIN.	X
	USER RESPONSE	
	BUILDING DESIGNER	X

Participant Survey Response

FIRM/ORGANIZATION <u>University of New Hampshire</u>		DATE
ADDRESS <u>Dept. of Electrical Engineering - Kingsbury Hall</u> <u>Durham, NH</u> ZIP <u>03824</u>		
NAME <u>Joseph B. Murdoch</u>		PHONE <u>(603) 862-1357</u>
POSITION/TITLE <u>Professor</u>		

CURRENT DAYLIGHTING ACTIVITIES 1. Development of computerized energy trade off studies of skylights. 2. Energy trade off analysis of north facing windows. 3. Analysis of slope glazing systems. RECENT PUBLICATIONS/PRESENTATIONS "A procedure for Calculating the Potential Savings in Light- ing Energy from the Use of Skylights", Journal of IES, July, 1977.	ACTIVITY SUMMARY	☒
	AVAILABILITY	☐
	DESIGN METHODS	☐
	CONTROLS-LIGHT	☐
	CONTROLS-SOLAR	☐
	HISTORICAL REVIEW	☐
	CASE STUDIES	☐
	BEAM SUNLIGHTING	☐
	SKYLIGHTS	☐
	GLARE	☐
THERMAL/ILLUMIN.	☐	
USER RESPONSE	☐	
	BUILDING DESIGNER	☐

FIRM/ORGANIZATION <u>SOLARCH-SOLAR ENERGY RESEARCH UNIT</u>		DATE <u>10/79</u>
ADDRESS <u>THE GRADUATE SCHOOL OF THE BUILT ENVIRONMENT</u> <u>UNIVERSITY OF NEW SOUTH WALES, SYDNEY.</u> <u>P.O. BOX 1. KENSINGTON AUSTRALIA</u> ZIP <u>2033</u>		
NAME <u>JOHN A. BALLINGER</u>		PHONE <u>(02) 662-3282</u>
POSITION/TITLE <u>DIRECTOR-SOLARCH</u> <u>SENIOR LECTURER</u>		

CURRENT DAYLIGHTING ACTIVITIES 1. BEAM SUNLIGHTING USING TRACHING MIRROR SYSTEMS & PRISMATIC REFRACTOR PANELS (DUAL STUDIES) TO LIGHT DEEP SIDE LIT SPACES. JOINT PROJECT WITH N. RODGERS OF LIGHTING RESEARCH UNIT OF ABOVE SCHOOL 2. DEVELOPMENT OF SHADE COEFFICIENT VALUES FOR LOCAL CONDITIONS INCLUDING INSULATION VALUE OF VARIOUS WINDOW TREATMENTS AND LIGHT TRANSMISSION BY EMPIRICAL STUDIES. RECENT PUBLICATIONS/PRESENTATIONS Rodger, N.C., Ballinger, J.A., Dunkerley, C. <u>An Analysis of Innovative Methods in Natural Lighting Architectural Science Review</u>, Vol. 22 No.2. 1979 p. 44-48 <u>Ballinger, J.A. Report on Energy Conservation Research (in Australia Proc. Symp. Solar Energy Univ. of Sydney, Aug. '79</u> (in press)	ACTIVITY SUMMARY	☒
	AVAILABILITY	☐
	DESIGN METHODS	☐
	CONTROLS-LIGHT	☐
	CONTROLS-SOLAR	☒
	HISTORICAL REVIEW	☐
	CASE STUDIES	☐
	BEAM SUNLIGHTING	☒
	SKYLIGHTS	☐
	GLARE	☐
THERMAL/ILLUMIN.	☐	
USER RESPONSE	☐	
	BUILDING DESIGNER	☒

Participant Survey Response

FIRM/ORGANIZATION <u>U.S.C. INTERNATIONAL CENTER FOR THE STUDY OF</u> DATE <u>8-4-79</u>	
EDUCATIONAL FACILITIES	
ADDRESS <u>University of Southern California, Waite Phillips Hall, Room 903</u>	
<u>3470 University Avenue, Los Angeles, CA.</u> ZIP <u>90007</u>	
NAME <u>Charles D. Gibson</u>	PHONE (213) <u>741-2401</u>
POSITION/TITLE <u>Director</u>	

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	x
	CONTROLS-LIGHT	x
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	x
	CASE STUDIES	x
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	x
	THERMAL/ILLUMIN.	
	USER RESPONSE	
RECENT PUBLICATIONS/PRESENTATIONS		
	BUILDING DESIGNER	

FIRM/ORGANIZATION <u>ABACUS - UNIVERSITY OF STRATHCLYDE</u> DATE <u>4/3/80</u>	
ADDRESS <u>Department of Architecture</u>	
<u>131 Rottenrow, Glasgow. G4 0NG, SCOTLAND</u> ZIP <u></u>	
NAME <u>Dr. J. A. Clarke</u>	PHONE (041) <u>552-440 Ex. 3013</u>
POSITION/TITLE <u>Research Fellow</u>	

CURRENT DAYLIGHTING ACTIVITIES Integration of daylight routines within ESP - a dynamic building energy simulation system. Further development of NATLIT - a stand alone computer program for daylight analysis in buildings.	ACTIVITY SUMMARY	✓
	AVAILABILITY	x
	DESIGN METHODS	x
	CONTROLS-LIGHT	
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	x
	USER RESPONSE	
RECENT PUBLICATIONS/PRESENTATIONS Clarke, J.A. 'Energy implications in building design: A thermal simulation design model', Proc. of the 3rd Int. Sym on the use of Computers for Env. Eng. related to Buildings, Banff, Canada, May 1978.		
	BUILDING DESIGNER	

Participant Survey Response

FIRM/ORGANIZATION <u>University of Washington</u>		DATE <u>8/14/79</u>
208 Gould Hall JO-20		
ADDRESS <u>University of Washington</u>		
<u>Seattle, WA</u>		ZIP <u>98195</u>
NAME <u>James Bedrick</u>		PHONE (206) <u>543-4180</u>
POSITION/TITLE <u>Research Assistant</u>		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY ☒
Development of UWLIGHT lighting simulation program	AVAILABILITY ☐
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☐
Integration of thermal and lighting simulation programs	CONTROLS-SOLAR ☐
	HISTORICAL REVIEW ☐
	CASE STUDIES ☐
Development of new daylighting design method	BEAM SUNLIGHTING ☐
	SKYLIGHTS ☐
	GLARE ☐
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☐
RECENT PUBLICATIONS/PRESENTATIONS	
Papers/workshop presentations at 2nd, 3rd, and 4th Nat. Passive Solar Conferences.	
Co-author (with M. Millet) of paper to be published in <u>Lighting Design and Application</u> .	
	BUILDING DESIGNER ☒

FIRM/ORGANIZATION <u>Department of Architecture</u>		DATE <u>8-3-79</u>
College of Architecture & Urban Planning		
ADDRESS <u>University of Washington, Seattle, WA</u>		ZIP <u>98195</u>
NAME <u>Marietta S. Millet</u>		PHONE (206) <u>543-4736</u>
POSITION/TITLE <u>Assistant Professor</u>		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY ☒
Finishing 3 year Washington State funded research project, "Incorporation of Energy Conservation Principles into Design of State Buildings" as team member responsible for lighting considerations.	AVAILABILITY ☒
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☐
	CONTROLS-SOLAR ☐
Continuing work on Daylighting Design Method developed with Jim Bedrick.	HISTORICAL REVIEW ☐
	CASE STUDIES ☒
	BEAM SUNLIGHTING ☐
	SKYLIGHTS ☐
	GLARE ☐
	THERMAL/ILLUMIN. ☐
	USER RESPONSE ☐
RECENT PUBLICATIONS/PRESENTATIONS	
1979 Millet, M.S., "Daylighting Design Guidelines for the Pacific Northwest", Proceedings of Solar 79 Northwest, August 10-12, 1979, Seattle, WA. In preparation.	
	BUILDING DESIGNER ☐

Participant Survey Response

FIRM/ORGANIZATION <u>University of Wisconsin - Extension</u>		DATE <u>9/21/79</u>
ADDRESS <u>432 North Lake Street</u> <u>Madison, WI</u> ZIP <u>53706</u>		
NAME <u>Mike Aimone</u>		PHONE (608) <u>263-7426</u>
POSITION/TITLE <u>Program Coordinator</u>		

CURRENT DAYLIGHTING ACTIVITIES Tailor a set of daylighting criteria for use by Wisconsin A-E firms, home builders, government offices. Develop a short course to offer by the Univ. Extension RECENT PUBLICATIONS/PRESENTATIONS	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	x
	CONTROLS-LIGHT	x
	CONTROLS-SOLAR	
	HISTORICAL REVIEW	
	CASE STUDIES	x
	BEAM SUNLIGHTING	
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
	USER RESPONSE	
	BUILDING DESIGNER	

FIRM/ORGANIZATION <u>Van der Ryn, Calthorpe & Partners</u>		DATE
ADDRESS <u>Drawer F</u> <u>Inverness, California</u> ZIP <u>94937</u>		
NAME <u>SCOTT MATTHEWS</u>		PHONE (415) <u>669-7155</u>
POSITION/TITLE <u>Principal</u>		

CURRENT DAYLIGHTING ACTIVITIES Design & analysis of daylighting system for one million sq.ft. office complex for TVA. System uses mirrored light shelves, computer operated solar control for atrium roof, and automatically dimmed indirect ambient lighting for maximum daylighting of office spaces. •model tests •full scale mockup •experimental correlation of insolation, sky conditions, measured illumination. For computer simulation of yearly system performance. RECENT PUBLICATIONS/PRESENTATIONS •TVA Project Case Study--September 1979 AIA Journal	ACTIVITY SUMMARY	✓
	AVAILABILITY	
	DESIGN METHODS	
	CONTROLS-LIGHT	x
	CONTROLS-SOLAR	x
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	x
	SKYLIGHTS	
	GLARE	
	THERMAL/ILLUMIN.	
	USER RESPONSE	
	MIRROR-REFLECTED DAYLIGHT	x
	INSOLATION/ILLUMIN. CORRELATION	x
	BUILDING DESIGNER	x

Participant Survey Response

FIRM/ORGANIZATION		DATE	8/79																														
ADDRESS	434 15th St. S.E. Washington, D.C.																																
	ZIP	20003																															
NAME	Marquerite Villecco	PHONE (202)	547-2349																														
POSITION/TITLE	Consultant to TVA & National Endowment for Arts																																
CURRENT DAYLIGHTING ACTIVITIES	<table border="1"> <thead> <tr> <th>ACTIVITY SUMMARY</th> <th></th> </tr> </thead> <tbody> <tr><td>AVAILABILITY</td><td></td></tr> <tr><td>DESIGN METHODS</td><td></td></tr> <tr><td>CONTROLS-LIGHT</td><td></td></tr> <tr><td>CONTROLS-SOLAR</td><td></td></tr> <tr><td>HISTORICAL REVIEW</td><td>x</td></tr> <tr><td>CASE STUDIES</td><td>x</td></tr> <tr><td>BEAM SUNLIGHTING</td><td></td></tr> <tr><td>SKYLIGHTS</td><td></td></tr> <tr><td>GLARE</td><td></td></tr> <tr><td>THERMAL/ILLUMIN.</td><td></td></tr> <tr><td>USER RESPONSE</td><td></td></tr> <tr><td>Education &</td><td></td></tr> <tr><td>Program Support</td><td>x</td></tr> <tr><td>BUILDING DESIGNER</td><td></td></tr> </tbody> </table>			ACTIVITY SUMMARY		AVAILABILITY		DESIGN METHODS		CONTROLS-LIGHT		CONTROLS-SOLAR		HISTORICAL REVIEW	x	CASE STUDIES	x	BEAM SUNLIGHTING		SKYLIGHTS		GLARE		THERMAL/ILLUMIN.		USER RESPONSE		Education &		Program Support	x	BUILDING DESIGNER	
ACTIVITY SUMMARY																																	
AVAILABILITY																																	
DESIGN METHODS																																	
CONTROLS-LIGHT																																	
CONTROLS-SOLAR																																	
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Education &																																	
Program Support	x																																
BUILDING DESIGNER																																	
RECENT PUBLICATIONS/PRESENTATIONS																																	
AIA Journal	9/79																																

FIRM/ORGANIZATION	John Yellott Engineering Associates, Inc.	DATE	8/11/79
ADDRESS	901 West El Caminito Phoenix, AZ	ZIP	85021
NAME	John I. Yellott, P.E.	PHONE	(602) 943-5805
POSITION/TITLE	President		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY
Independent research on sun control by means of external screens, and internal shades, drapes, and Venetian blinds. This work combines control of admission of sun-related heat, and illumination.	☒ AVAILABILITY
	☐ DESIGN METHODS
	☒ CONTROLS-LIGHT
	☒ CONTROLS-SOLAR
	☐ HISTORICAL REVIEW
	☐ CASE STUDIES
	☐ BEAM SUNLIGHTING
	☐ SKYLIGHTS
	☐ GLARE
	☒ THERMAL/ILLUMIN.
☐ USER RESPONSE	
RECENT PUBLICATIONS/PRESENTATIONS	
	BUILDING DESIGNER

"The Phoenix Fenestration Tests of 1977-Thermal Aspects", presented at 1979 Summer Annual ASHRAE Meeting, to be included in Part II, ASHRAE Transactions for 1979.

Notes

Activity Index

	DESIGNER/ARCHITECT	AVAILABILITY	DESIGN METHODS	CONTROLS—LIGHT	CONTROLS—SOLAR	HISTORICAL REVIEW	CASE STUDIES	BEAM SUNLIGHTING	SKYLIGHTS	GLARE	THERMAL ILLUMINATION	USER RESPONSE
AIMONE, MIKE			•	•		•						
ALLING, W. R.				•				•		•		
BAKER, DAVID	•			•	•			•				
BALLINGER, JOHN	•				•		•					
BAXTER, A. J.	•		•							•		
BEDRICK, JAMES	•		•							•		
BOYER, LESTER L.			•			•				•	•	
BRAHAM, WILLIAM	•	•	•	•	•			•		•		
BRYAN, HARVEY	•		•	•	•	•	•	•	•	•		
BURKHARDT, WILLIAM			•	•	•			•		•		
BURGESS, K. S.			•									

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DESIGNER/ARCHITECT	AVAILABILITY	DESIGN METHODS	CONTROLS—LIGHT	CONTROLS—SOLAR	HISTORICAL REVIEW	CASE STUDIES	BEAM SUNLIGHTING	SKYLIGHTS	GLARE	THERMAL ILLUMINATION	USER RESPONSE	
			•	•		•			•		•	BURNETTE, PAULA
			•	•		•			•		•	CARNER, DON
	•	•								•		CLARKE, J. A.
		•										CLEAR, ROBERT
•		•	•	•	•		•			•		DEAN, EDWARD
		•	•							•		DI LAURA, DAVID
						•	•					DUGUAY, MICHEL
•		•			•	•	•					EACRET, KREG M.
						•						EDWARDS, HOWARD
•	•	•										ELEY, CHARLES
•	•	•				•	•					EVANS, BENJAMIN

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	DESIGNER/ARCHITECT	AVAILABILITY	DESIGN METHODS	CONTROLS—LIGHT	CONTROLS—SOLAR	HISTORICAL REVIEW	CASE STUDIES	BEAM SUNLIGHTING	SKYLIGHTING	GLARE	THERMAL ILLUMINATION	USER RESPONSE
FLYNN, JOHN E.		•	•		•					•	•	
FRAKER, HARRISON	•	•	•	•	•	•		•		•	•	
FUETSCH, TED	•		•	•	•		•			•		
GARCIA, JOSE				•	•			•				
GARRISON, AUBREY III	•	•	•	•	•			•		•		
GIBSON, CHARLES			•	•	•	•				•		
GILLETTE, GARY		•	•		•			•		•		
GLENNIE, WILLIAM	•	•	•	•	•			•		•		
GRIFFITH, J. W.					•	•						
HELMS, RONALD	•	•								•	•	
JONES, BILL F.	•	•	•					•		•		

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DESIGNER/ARCHITECT	AVAILABILITY	DESIGN METHODS	CONTROLS—LIGHT	CONTROLS—SOLAR	HISTORICAL REVIEW	CASE STUDIES	BEAM SUNLIGHTING	SKYLIGHTS	GLARE	THERMAL ILLUMINATION	USER RESPONSE
		•		•					•		JUROVICS, S. A.
	•	•			•						KINGSBURY, H. F.
•	•		•	•		•			•		KLAMMT, FRED
•	•	•		•			•		•		KUSUDA, T.
•		•	•	•		•	•		•	•	LAM, WILLIAM
		•	•	•	•	•	•		•	•	LEMONS, THOMAS
•	•	•	•	•			•		•	•	LINDSEY, LAWRENCE
	•	•	•	•			•		•		LYNES, J. A.
•			•	•		•					MATTHEWS, SCOTT
	•	•	•	•	•	•	•		•	•	MEHTA, LAHERI
•		•	•	•		•			•		MILNE, MURRAY

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	DESIGNER/ARCHITECT	AVAILABILITY	DESIGN METHODS	CONTROLS—LIGHT	CONTROLS—SOLAR	HISTORICAL REVIEW	CASE STUDIES	BEAM SUNLIGHTING	SKYLIGHTS	GLARE	THERMAL ILLUMINATION	USER RESPONSE
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McCLOSKEY, MARTIN				•						•		
McKAY, HAYDEN	•	•	•	•	•		•	•		•		
McNAMARA, JIM										•		
NOVA, RAMON	•	•	•	•	•	•	•	•	•	•	•	•
PIERPOINT, WILLIAM	•	•	•	•				•		•	•	•
RHODES, WILLIAM							•					
RODGERS, NANCY	•	•					•					
RUBINSTEIN, FRANCIS			•	•								
SELKOWITZ, STEPHEN		•	•	•	•		•	•	•		•	
SHADIX, JERRY	•	•	•	•	•			•		•		

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•	•	•	•	•	•	•	•	•	•	•	•	SIZEMORE, MICHAEL
•		•				•	•	•	•	•		TERNOEY, STEVEN
		•	•						•			THOMAS, RICK
•	•	•		•			•			•		TREADO, STEPHEN
										•		THRUN, ERIC
		•	•	•		•				•		VAN DYCK, ROBERT
					•	•						VILLECCO, MARQUERITE
•	•	•		•			•					WHITE, ROBERT
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Notes of Interest

CONFERENCE CALENDAR

June	1-5	Annual ISES American Section Conference, Phoenix, Arizona (DOE)
	2-6	"Energy Management in Buildings," Columbia, Maryland (DOE)
	2-6	AS/IBES 1980 Annual Meeting, "The Solar Jubilee —25 Years of the Sun at Work," Phoenix, Arizona
	9-12	IES Pacific Regional Conference, Honolulu, Hawaii
	15-21	Daylighting Summer Institute, Lawrence Berkeley Laboratory & University of California, Berkeley, California
	22-26	ASHRAE Annual Meeting, Denver, Colorado
July	3-4	IERI Symposium on Research, London, England
	9-10	CIE "International Symposium on Daylighting," Berlin, West Germany
August	24-28	IES National Conference, Dallas, Texas
September	8-12	World Energy Conference, Munich, West Germany

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