Lawrence Berkeley Laboratory
UNIVERSITY OF CALIFORNIA
ENERGY & ENVIRONMENT DIVISION

MASTER

Daylighting Directory 6/80

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Prepared for the U. S. Department of Energy under Contract W-7405-ENG-48

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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 <u>American Solar</u>		DATE <u>5/80</u>
ADDRESS <u>4421 N 13th Place, Phoenix AZ 85014</u> <u>2116 Center St., Garden City, KA.</u>		ZIP <u>67846</u>
NAME <u>William Rhodes</u>	PHONE <u>(602) 274-1303</u>	
POSITION/TITLE <u>Research Director</u>		
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 ☒
		SKYLIGHTS ☐
		GLARE ☐
		THERMAL/TLLUMIN. ☐
RECENT PUBLICATIONS/PRESENTATIONS		USER RESPONSE ☐
		BUILDING DESIGNER ☐

FIRM/ORGANIZATION <u>APTEK CONSULTANTS</u>		DATE <u>4/14/80</u>
ADDRESS <u>P.O. Box 704</u> <u>Pacifica, CA</u>		ZIP <u>94044</u>
NAME <u>Fred J. Klaimt</u>	PHONE <u>(415) 728-7046</u>	
POSITION/TITLE <u>Project Engineer</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY ☒
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 Tl-59 for design assistance.		AVAILABILITY ☒
		DESIGN METHODS ☒
		CONTROLS-LIGHT ☒
		CONTROLS-SOLAR ☒
		HISTORICAL REVIEW ☐
		CASE STUDIES ☐
		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☐
		GLARE ☐
		THERMAL/TLLUMIN. ☒
RECENT PUBLICATIONS/PRESENTATIONS		USER RESPONSE ☐
		BUILDING DESIGNER ☒

**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>		

<p>CURRENT DAYLIGHTING ACTIVITIES</p> <p>Research, design and implementation of daylighting concepts integral with passive solar and conventional architectural projects. Research includes modeling of concepts.</p> <p>Recent project experience by firm's architects includes office buildings and educational facilities.</p> <p>RECENT PUBLICATIONS/PRESENTATIONS</p>	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>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>		

<p>CURRENT DAYLIGHTING ACTIVITIES</p> <p>Design Solar Concentrators and Lens Light Guides for Beam Sunlighting.</p> <p>Consulting on Minneapolis Underground Sunlighting Project.</p> <p>RECENT PUBLICATIONS/PRESENTATIONS</p> <p>Applied Optics, Vol. 18, pp. 2081-2084, June '79</p> <p>American Scientist, Vol. 65, pp. 422-427, July '77</p> <p>Applied Optics, Vol. 16, pp. 1444-1446, May '77</p>	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>BICKLE/CM INC.</u>		DATE <u>8/8/79</u>
ADDRESS <u>2403 San Mateo, NE</u> Suite S-8		ZIP <u>87110</u>
Albuquerque, NM		
NAME <u>Jim McNamara</u>	PHONE <u>(505) 265-3751</u>	
POSITION/TITLE <u>Program Manager</u>		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY ☒
Our Goals:	AVAILABILITY ☒
- Optimize the building shell for passive heating or cooling and daylight.	DESIGN METHODS ☒
- To consider daylight as having a major contribution in reducing a building's energy budget.	CONTROLS-LIGHT ☒
Projects (Energy consultant):	CONTROLS-SOLAR ☒
- 45 story Office Building in Singapore	HISTORICAL REVIEW ☒
- Modular Biology Building, City of Hope National Medical Center.	CASE STUDIES ☒
- Small office building, Albuquerque, New Mexico.	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS	
	BUILDING DESIGNER ☒

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

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY ☒
Analysis of natural lighting conditions and consequences of design of specific buildings. Consult and design all aspects of architectural lighting.	AVAILABILITY ☒
Developing computer programs to generate clear-sky daylight and solar illumination data as basis for design.	DESIGN METHODS ☒
	CONTROLS-LIGHT ☒
	CONTROLS-SOLAR ☒
	HISTORICAL REVIEW ☒
	CASE STUDIES ☒
	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS	
	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 Carter 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 such 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	☒
CONTROLS-SOLAR	☒
HISTORICAL REVIEW	
CASE STUDIES	☒
BEAM SUBLIGHTING	
SKYLIGHTS	
GLARE	☒
THERMAL/ILLUMIN.	
USER RESPONSE	☒
BUILDING DESIGNER	

FIRM/ORGANIZATION	CATER & PARKS INC.	DATE	8/10/79
ADDRESS	212 So. 28th St. Birmingham, AL.	ZIP	35233
NAME	Frank M. Cater	PHONE	(205) 251-9847
POSITION/TITLE	Vice-President		

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.
	☐ USER RESPONSE
	BUILDING DESIGNER

RECENT PUBLICATIONS/Presentations

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		AVAILABILITY ☐
		DESIGN METHODS ☐
		CONTROLS-LIGHT ☐
		CONTROLS-SOLAR ☐
		HISTORICAL REVIEW ☐
		CASE STUDIES ☐
		BEAM SUNLIGHTING ☐
		SKYLIGHTS ☐
		GLARE ☐
		THERMAL/ILLUMIN. ☐
		USER RESPONSE ☐
RECENT PUBLICATIONS/PRESENTATIONS		
		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.		AVAILABILITY ☒
		DESIGN METHODS ☒
		CONTROLS-LIGHT ☒
		CONTROLS-SOLAR ☒
		HISTORICAL REVIEW ☐
		CASE STUDIES ☐
		BEAM SUNLIGHTING ☐
		SKYLIGHTS ☒
		GLARE ☐
		THERMAL/ILLUMIN. ☐
		USER RESPONSE ☐
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		
		BUILDING DESIGNER ☒

Participant Survey Response

FIRM/ORGANIZATION	DAVIDSON LABORATORY	DATE	8-1-79
ADDRESS	Stevens Institute of Technology 711 Hudson Street Hoboken, New Jersey 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. Konec). 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 Capitaland Street Richmond, Virginia 23260		
NAME	Benton H. Flegg, AIA	PHONE (703)	951/7931
POSITION/TITLE	Principal		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
<ol style="list-style-type: none"> Chairman, IES Daylighting Committee, 1979-80 Daylight design for several projects including: Shell Oil Complex, Midland Regional Transit Authority maintenance center, Colorado 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	x
	CONTROLS-LIGHT	x
	CONTROLS-SOLAR	x
	HISTORICAL REVIEW	x
	CASE STUDIES	x
	BEAM SUNLIGHTING	x
	SKYLIGHTS	x
	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	x	

Participant Survey Response

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

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY
PROVIDING A DAYLIGHT ANALYSIS SERVICE USING PUBLICLY AVAILABLE COMPUTER PROGRAMS. ADVISING COMPUTER USERS ON THE SUITABILITY OF PARTICULAR DAYLIGHT ANALYSIS PROGRAMS.	AVAILABILITY ☒ DESIGN METHODS ☒ CONTROLS-LIGHT ☐ CONTROLS-SOLAR ☐ HISTORICAL REVIEW ☐ CASE STUDIES ☐ BEAM SUNLIGHTING ☐ SKYLIGHTS ☐ GLARE ☐ THERMAL/ILLUMIN. ☐ USER RESPONSE ☐
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)	
	BUILDING DESIGNER

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

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

Participant Survey Response

FIRM/ORGANIZATION <u>Energy Management Consultants, Inc.</u>		DATE <u>4-1-88</u>																																				
ADDRESS <u>2150 Shattuck Avenue</u> <u>Berkeley, Ca.</u>		ZIP <u>94704</u>																																				
NAME <u>Harvey Bryan</u>	PHONE (415) <u>548-2270</u>																																					
POSITION/TITLE <u>Associate</u>																																						
CURRENT DAYLIGHTING ACTIVITIES <ul style="list-style-type: none"> • 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. 		ACTIVITY SUMMARY <table border="1"> <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 DAYLIGHTING</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></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 DAYLIGHTING	☒	SKYLIGHTS	☒	GLARE	☒	THERMAL/ILLUMIN.	☒	USER RESPONSE	☒													BUILDING DESIGNER	☒
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THERMAL/ILLUMIN.	☒																																					
USER RESPONSE	☒																																					
BUILDING DESIGNER	☒																																					
RECENT PUBLICATIONS/PRESENTATIONS <p>"Daylighting Design for the Sacramento State Office Building Competition", <u>Proceedings of the 2nd National Passive Solar Conference</u>, pp. 371-376, March, 1978.</p> <p>"A Simplified Daylighting Design Methodology for Clear Skies", <u>Proceedings of the 3rd National Passive Solar Conference</u> 4-9, 114-120, January, 1979.</p> <p>"A Simplified Procedure for Calculating the Effects of Daylight from Clear Skies", <u>Journal of the IES</u>, pp. 142-151, April, 1980.</p>																																						

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 (415) <u>398-7667</u>																																			
POSITION/TITLE <u>Vice-President</u>																																				
CURRENT DAYLIGHTING ACTIVITIES <p>Building lighting systems which take advantage of daylighting by photo-control on-off or switching manually.</p> <p>Activities center around practical methods of calculating illum. levels and practical control methods.</p> <p>Applications include: Retail stores (skylights/window) Office spaces</p>		ACTIVITY SUMMARY <table border="1"> <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 DAYLIGHTING</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></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 DAYLIGHTING	☒	SKYLIGHTS	☒	GLARE	☒	THERMAL/ILLUMIN.	☒	USER RESPONSE	☒											BUILDING DESIGNER	☒
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USER RESPONSE	☒																																			
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RECENT PUBLICATIONS/PRESENTATIONS <p>None</p>																																				

**Participant
Survey
Response**

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

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	☒
	AVAILABILITY	☐
	DESIGN METHODS	☐
	CONTROLS-LIGHT	☐
	CONTROLS-SOLAR	☐
	HISTORICAL REVIEW	☒
	CASE STUDIES	☒
	BEAM SUNLIGHTING	☐
	SKYLIGHTS	☐
	GLARE	☐
	THERMAL/ILLUMIN.	☐
	USER RESPONSE	☐
	RECENT PUBLICATIONS/PRESENTATIONS	
	<u>Daylight & energy conscious design</u> <u>ASHRAE Symposium Detroit conference</u> <u>transactions 1979 Vol. 65 part 2</u>	
	BUILDING DESIGNER	

FIRM/ORGANIZATION <u>Hewacorp</u>		DATE <u>24/3/80</u>
ADDRESS <u>25 Byron Road</u>		CITY <u> </u>
<u>Sheffield 7, United Kingdom</u>		
NAME <u>A.J. Baxter</u>	PHONE () <u>Sheff 52752</u>	
POSITION/TITLE <u>Consultant</u>		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	☒
	AVAILABILITY	☐
	DESIGN METHODS	☒
	CONTROLS-LIGHT	☐
	CONTROLS-SOLAR	☐
	HISTORICAL REVIEW	☐
	CASE STUDIES	☐
	BEAM SUNLIGHTING	☐
	SKYLIGHTS	☐
	GLARE	☐
	THERMAL/ILLUMIN.	☒
	USER RESPONSE	☐
	RECENT PUBLICATIONS/PRESENTATIONS	
	<u>Computer Aided Design of Thermal and Visual</u> <u>Environments in Buildings</u>	
	BUILDING DESIGNER	

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 <u>(617) 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 B.O.E. passive solar grant to include passive solar and daylighting to reduce annual energy consumption. Currently in design development studying daylighting effects onness with physical models.	<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>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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THERMAL/ILLUMIN.	☒																																
USER RESPONSE	☒																																
	☐																																
	☐																																
	☐																																
BUILDING DESIGNER	☒																																
RECENT PUBLICATIONS/PRESENTATIONS																																	

FIRM/ORGANIZATION <u>IBM Scientific Center</u> DATE <u>1/26/79</u>																																	
ADDRESS <u>9045 Lincoln Blvd.</u> <u>Los Angeles, Ca.</u> ZIP <u>90045</u>																																	
NAME <u>Dr. S. A. Jurovics</u>	PHONE <u>(213) 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. DeVe 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.	<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>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	☒
ACTIVITY SUMMARY	☒																																
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SKYLIGHTS	☒																																
GLARE	☒																																
THERMAL/ILLUMIN.	☒																																
USER RESPONSE	☒																																
	☐																																
	☐																																
	☐																																
BUILDING DESIGNER	☒																																
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.																																	

FIRM/ORGANIZATION <u>William Lam Associates, Inc.</u>		DATE <u>8/1/79</u>
ADDRESS <u>401 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	ACTIVITY SUMMARY		
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.	AVAILABILITY	☒	
	DESIGN METHODS	☒	
	CONTROLS-LIGHT	☒	
	CONTROLS-SOLAR	☒	
	HISTORICAL REVIEW	☒	
	CASE STUDIES	☒	
	BEAM SUNLIGHTING	☒	
	SKYLIGHTS	☒	
	CLARE	☒	
	THERMAL ILLUMIN.	☒	
	USER RESPONSE	☒	
	RECENT PUBLICATIONS/PRESENTATIONS		
	Energy Inform		
Summer Workshop in Energy Conscious Design			
Consultant to			
BUILDING DESIGNER		☒	

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

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 (415) <u>486-5605</u> <u>or 486-6848</u>
POSITION/TITLE <u>Research</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY
In progress report detailing findings in the area of beamed daylighting. Research covered:		AVAILABILITY
1.) Historical review & patent study		DESIGN METHODS
2.) Analysis of current beamed daylighting research		CONTROLS-LIGHT
3.) Testing, analysis & computer simulation of various beamed daylighting prototypes.		CONTROLS-SOLAR
4.) Presentation of various design solutions integrating beamed daylighting and solar control.		HISTORICAL REVIEW
RECENT PUBLICATIONS/PRESENTATIONS		CASE STUDIES
Above report to be published by Lawrence Berkeley Laboratory around mid-August, 1980.		BEAM SUNLIGHTING
		SKYLIGHTS
		GLARE
		THERMAL/ILLUMIN.
		USER RESPONSE
		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>Francis Rubinstein</u>		PHONE (415) <u>486-5605</u>
POSITION/TITLE <u>Staff Scientist, LBL/DOE Lighting Program</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY
Integration of daylighting with switching and controls for lighting.		AVAILABILITY
Daylighting-related lighting controls demonstrations:		DESIGN METHODS
1.) P.G.E., San Francisco - continuously dimmable lighting control system.		CONTROLS-LIGHT
2.) World Trade Center, New York - programmable switching of lighting in conjunction with daylighting.		CONTROLS-SOLAR
RECENT PUBLICATIONS/PRESENTATIONS		HISTORICAL REVIEW
"Lighting Controls - A Survey of the Potential Market", (in progress).		CASE STUDIES
		BEAM SUNLIGHTING
		SKYLIGHTS
		GLARE
		THERMAL/ILLUMIN.
		USER RESPONSE
		BUILDING DESIGNER

Participant Survey Response

FIRM/ORGANIZATION <u>Lawrence Berkeley Laboratory</u>		DATE <u>12/79</u>
ADDRESS <u>Bldg. 90, Rm. 5111</u>		
<u>Berkeley, Ca.</u>		ZIP <u>94720</u>
NAME <u>Stephen Selkow</u>	PHONE <u>(415) 486-5605</u>	
POSITION/TITLE <u>Program Manager, LBL/DOE Daylighting Program</u>		
CURRENT DAYLIGHTING ACTIVITIES 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 clearer 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 daylighting concepts. 9. Development and dissemination of Daylighting Educational Resource Package & DOE Daylighting Resource Center.		
RECENT PUBLICATIONS/PRESENTATIONS "Beam Daylighting: An Alternative Illumination Technique", <u>Energy and Building</u> , Vol. 1, No. 1, 1977. "Effective Daylighting in Buildings", Parts I and II, <u>Lighting Design and Applications</u> , Feb. and March, 1979. "Daylighting and Progressive Buildings", <u>Proceedings of the 3rd National Building Solar Conference</u> , pp. 211-231, January, 1978.		
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>LIGHTING RESEARCH LABORATORY</u>		DATE <u>7-31-79</u>
ADDRESS <u>P O BOX 6193</u>		
<u>ORANGE, CA</u>		ZIP <u>92667</u>
NAME <u>Bill F. Jones</u>	PHONE <u>(714) 771-1312</u>	
POSITION/TITLE <u>Owner</u>		
CURRENT DAYLIGHTING ACTIVITIES		
ACTIVITY SUMMARY		
AVAILABILITY		☒
DESIGN METHODS		☒
CONTROLS-LIGHT		☒
CONTROLS-SOLAR		☒
HISTORICAL REVIEW		☒
CASE STUDIES		☒
BEAM SUNLIGHTING		☒
SKYLIGHTS		☒
GLARE		☒
THERMAL/ILLUMIN.		☒
USER RESPONSE		☒
BUILDING DESIGNER		☒
RECENT PUBLICATIONS/PRESENTATIONS		

Participant Survey Response

FIRM/ORGANIZATION <u>LIGHTING RESEARCH UNIT G.S.B.F. 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.		ACTIVITY SUMMARY AVAILABILITY ☒ DESIGN METHODS ☐ CONTROLS-LIGHT ☐ CONTROLS-SOLAR ☐ HISTORICAL REVIEW ☐ CASE STUDIES ☐ BEAM SUNLIGHTING ☒ SKYLIGHTS ☐ GLARE ☐ THERMAL/ILLUMIN. ☐ USER RESPONSE ☐ BUILDING DESIGNER ☒
RECENT PUBLICATIONS/PRESENTATIONS 1. RODGERS, Nancy "The potential of Beam Sunlighting." Lighting Design and Application, Vol. 9, No. 11, 11/79 2. RODGERS, Nancy "Efficient daylighting in buildings" IES Lighting Reviews, Vol. 41, No. 6, 12/79		

FIRM/ORGANIZATION <u>NASA Langley Research Center</u>		DATE <u>7/30/79</u>
ADDRESS <u>M/G 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.		ACTIVITY SUMMARY AVAILABILITY ☐ DESIGN METHODS ☐ CONTROLS-LIGHT ☐ CONTROLS-SOLAR ☐ HISTORICAL REVIEW ☐ CASE STUDIES ☐ BEAM SUNLIGHTING ☐ SKYLIGHTS ☐ GLARE ☐ THERMAL/ILLUMIN. ☐ USER RESPONSE ☐ LIGHT PIPES ☒ BUILDING DESIGNER ☐
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.		

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.		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
RECENT PUBLICATIONS/PRESENTATIONS "A Review of the State-of-the-Art of Daylighting in Buildings" "The Energy Implications of Daylighting in Classroom Design"		

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 Treano</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.		ACTIVITY SUMMARY ☒ AVAILABILITY ☒ DESIGN METHODS ☒ CONTROLS-LIGHT ☒ CONTROLS-SOLAR ☒ HISTORICAL REVIEW ☒ CASE STUDIES ☒ BEAM SUNLIGHTING ☒ SKYLIGHTS ☒ GLARE ☒ THERMAL/ILLUMIN. ☒ USER RESPONSE ☒ ENERGY CONSERVATION
RECENT PUBLICATIONS/PRESENTATIONS Comparative Analysis between simplified daylighting calculation 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.		
		☒ BUILDING DESIGNER

Participant Survey Response

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

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 ☒
SECOND ANNUAL EXTENSION COURSE ON "LIGHTING/ENERGY DESIGN IN BUILDINGS" TO PRACTICING BUILDING DESIGN PROFESSIONALS CONDUCTED IN JANUARY 1980.	CONTROLS-LIGHT ☒
RECENT PUBLICATIONS/PRESENTATIONS	CONTROLS-SOLAR ☒
BOYER, L.L.: "SUTERRANEAN DESIGNS NEED DAYLIGHTING,"	HISTORICAL REVIEW ☒
EARTH SHELTER DIGEST 1 (4): 32, 1979.	CASE STUDIES ☒
BOYER, L.L.: "DAYLIGHTING IN SUTERRANEAN SPACES," PROCEEDINGS - GOING UNDER TO STAY ON TOP, UNDERGROUND SPACE CENTER, UNIV. OF MINNESOTA, MINNEAPOLIS, 18-20 NOV. 1979.	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/TILLUMIN. ☒
	USER RESPONSE ☒
	BUILDING DESIGNER

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

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

FIRM/ORGANIZATION Princeton Energy Group/Harrison Fraker, Architects DATE 4/26/80	
ADDRESS 729 Alexander Road Princeton, NJ	ZIP 08540
NAME William W. Brahm	PHONE (609) 452-8235
POSITION/TITLE Design Analyst	
<p>CURRENT DAYLIGHTING ACTIVITIES</p> <p>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</p> <p>RECENT PUBLICATIONS/PRESENTATIONS</p>	
<p>ACTIVITY SUMMARY</p> <p>AVAILABILITY X</p> <p>DESIGN METHODS X</p> <p>CONTROLS - LIGHT X</p> <p>CONTROLS - SOLAR X</p> <p>HISTORICAL REVIEW X</p> <p>CASE STUDIES</p> <p>BEAM SUNLIGHTING</p> <p>SKYLIGHTS X</p> <p>GLARE</p> <p>THERMAL/ILLUMIN. X</p> <p>USER RESPONSE</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>BUILDING DESIGNER X</p>	

FIRM/ORGANIZATION Harrison Fraker, Architects/Engineers Group DATE 4/28/80

ADDRESS 729 Alexander Road
Princeton, NJ ZIP 08540

NAME Harrison Fraker, AIA **PHONE** (609) 452-8235

POSITION/TITLE Partner

**Participant
Survey
Response**

FIRM/ORGANIZATION Princeton Energy Group/Harrison Fraker, Architects		DATE 4/28/80
ADDRESS 729 Alexander Road Princeton, NJ		ZIP 08540
NAME William L. Glennie		PHONE (609) 452-8235
POSITION/TITLE Design Analyst		
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 techniques; analysis and design of low cost daylighting concepts for application in commercial and institutional buildings; consulting services to other architectural 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
USER RESPONSE		
RECENT PUBLICATIONS/PRESENTATIONS		
author of Princeton Energy Group's SKYKING, a proprietary microcomputer program (limited distribution, full documentation not yet available)		
	BUILDING DESIGNER	X

FIRM/ORGANIZATION Princeton Energy Group/Harrison Fraker, Architects		DATE 4/28/80
ADDRESS 729 Alexander Road Princeton, NJ		ZIP 08540
NAME Lawrence L. Lindsey		PHONE (609) 452-8235
POSITION/TITLE Partner		
CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
design of prototype components for pre-engineered buildings (Butler Manufacturing Company) which incorporate innovative daylighting and other passive/hybrid solar heating and cooling techniques; design, scale-model construction and testing, of concepts for daylight utilization in commercial and institutional buildings; validation studies and user documentation, toward publication of microcomputer design tools for daylighting and related energy issues in buildings; consulting services to other architectural and engineering firms	AVAILABILITY	X
	DESIGN METHODS	X
	CONTROLS-LIGHT	X
	CONTROLS-SOLAR	X
	HISTORICAL REVIEW	
	CASE STUDIES	
	BEAM SUNLIGHTING	
	SKYLIGHTS	X
	GLARE	X
	THERMAL/ILLUMIN.	X
USER RESPONSE	X	
RECENT PUBLICATIONS/PRESENTATIONS		
	BUILDING DESIGNER	X

Participant Survey Response

FIRM/ORGANIZATION <u>RAMON LIGHTING CONSULTANT</u>		DATE <u>8/10/79</u>
ADDRESS <u>P.O. Box 14143</u> <u>Atlanta, GA</u>		ZIP <u>30324</u>
NAME <u>Ramon A. Nova, P.E.</u>	PHONE (404) <u>892-0353</u>	
POSITION/TITLE <u>President</u>		
CURRENT DAYLIGHTING ACTIVITIES Santee-Cooper Power Authority Manck's Corner, S.C. Passive Solar Roof Study M.F.U., Fairfield, Iowa Harris Corporation Headquarters Melbourne, FL		ACTIVITY SUMMARY ✓ AVAILABILITY ☒ X DESIGN METHODS ☒ X CONTROLS-LIGHT ☒ X CONTROLS-SOLAR ☒ X HISTORICAL REVIEW ☒ X CASE STUDIES ☒ X BEAM SKYLIGHTING ☒ X SKYLIGHTS ☒ X GLARE ☒ X THERMAL/ILLUMIN. ☒ X USER RESPONSE ☒ X
RECENT PUBLICATIONS/PRESENTATIONS 		
		BUILDING DESIGNER ☒ X

FIRM/ORGANIZATION <u>Rohm and Haas Company</u>		DATE <u>8/1/79</u>
ADDRESS <u>Plastics Engineering Laboratory</u> <u>P.O. Box 219, Bristol, PA</u>		ZIP <u>19007</u>
NAME <u>William C. Burkhardt</u>	PHONE (215) <u>705-8302</u>	
POSITION/TITLE <u>Applications Engineer</u>		
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.		ACTIVITY SUMMARY ✓ AVAILABILITY ☒ X DESIGN METHODS ☒ X CONTROLS-LIGHT ☒ X CONTROLS-SOLAR ☒ X HISTORICAL REVIEW ☒ X CASE STUDIES ☒ X BEAM SKYLIGHTING ☒ X SKYLIGHTS ☒ X GLARE ☒ X THERMAL/ILLUMIN. ☒ X USER RESPONSE ☒ X
RECENT PUBLICATIONS/PRESENTATIONS Solar U-Number (S-U-N) Modifiers for Skylights, (ASHRAE), Annual Technical Conf., 6/23-27/78, Detroit, MI, ASHRAE Trans. 1979, Vol. 85, Part 2. (Cont'd.)		
		BUILDING DESIGNER ☒ X

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>B & 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		ACTIVITY SUMMARY
		AVAILABILITY ☒
		DESIGN METHODS ☒
		CONTROLS-LIGHT ☒
		CONTROLS-SOLAR ☒
		HISTORICAL REVIEW ☒
		CASE STUDIES ☒
		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☒
		GLAZE ☒
		THERMAL/ILLUMIN. ☒
		USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS		
		BUILDING DESIGNER

FIRM/ORGANIZATION <u>SIZEMORE/CRS</u>		DATE <u>7/24/79</u>
ADDRESS <u>1900 Emory St. N.W.</u>		ZIP <u>30318</u>
<u>Atlanta, GA</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		ACTIVITY SUMMARY
Design of Daylighting on Design Teams of:		AVAILABILITY ☒
- Tennessee Valley Authority Office of Power Complex,		DESIGN METHODS ☒
Chattanooga,		CONTROLS-LIGHT ☒
Solar Energy Research Institute,		CONTROLS-SOLAR ☒
Golden,		HISTORICAL REVIEW ☒
Santee-Cooper Power Authority Monck's Corner,		CASE STUDIES ☒
S.C.		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☒
		GLAZE ☒
		THERMAL/ILLUMIN. ☒
		USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS		
Book: Energy Planning For Buildings		
Published by American Institute of Architects		
		BUILDING DESIGNER ☒

Participant Survey Response

FIRM/ORGANIZATION <u>SHELLEY, DEAN & FULLER ARCHITECTS</u>		DATE <u>3/1/80</u>
ADDRESS <u>4331 Piedmont Avenue</u>		
<u>Oakland, CA</u>	ZIP <u>94611</u>	
NAME <u>Edward Dean</u>	PHONE <u>(415) 658-1211</u>	
POSITION/TITLE <u>Principal</u>		

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

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

CURRENT DAYLIGHTING ACTIVITIES Investigating advanced computational tools for use in daylighting design. This includes mathematical models and algorithms for the efficient and economical calculation of the effects of daylighting with realistic control devices.	ACTIVITY SUMMARY ✓
	AVAILABILITY
	DESIGN METHODS
	CONTROLS-LIGHT
	CONTROLS-SOLAR
	HISTORICAL REVIEW
	CASE STUDIES
	BEAM SUNLIGHTING
	SKYLIGHTS
	GLARE
RECENT PUBLICATIONS/PRESENTATIONS "On Calculating the Effects of Daylighting in Interior Spaces", D.L. DiLaura and G. Hauser, Journal of the Illuminating Engineering Society, October, 1978.	THERMAL/ILLUMIN. X USER RESPONSE BUILDING DESIGNER

**Participant
Survey
Response**

FIRM/ORGANIZATION <u>SMITH, HINCHMAN & GRVILL ASSOCIATES, INC.</u> DATE <u>4/22/81</u>	
ADDRESS <u>455 West Port Street</u> <u>Detroit, Michigan</u> ZIP <u>48226</u>	
NAME <u>Martin M. McCloskey</u>	PHONE <u>(313) 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 ☒
	CONTROLS-SOLAR ☒
	HISTORICAL REVIEW ☒
	CASE STUDIES ☒
	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
USER RESPONSE ☒	
RECENT PUBLICATIONS/PRESENTATIONS	
	BUILDING DESIGNER ☒

FIRM/ORGANIZATION <u>SOI-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 <u>(415) 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 ☒
	CONTROLS-SOLAR ☒
	HISTORICAL REVIEW ☒
	CASE STUDIES ☒
	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
USER RESPONSE ☒	
RECENT PUBLICATIONS/PRESENTATIONS	
"Daylighting Design for a New State Office Building in San Jose, California" Proceedings of the Fourth National Passive Solar Conference, pp. 411-415	
	BUILDING DESIGNER ☒

Participant Survey Response

FIRM/ORGANIZATION <u>SOLAR ENERGY RESEARCH INSTITUTE/ passive tech.</u> DATE <u>14 Sept. '9</u>	
ADDRESS <u>1536 Cole Blvd.</u> <u>Golden, Colorado</u> ZIP <u>80401</u>	
NAME <u>Steven F. Termoy</u>	PHONE (303) <u>231-1485</u>
POSITION/TITLE <u>Architect</u>	
CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY
<ul style="list-style-type: none"> * 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. 	AVAILABILITY ☒ DESIGN METHODS ☒ CONTROLS-LIGHT ☐ CONTROLS-SOLAR ☐ HISTORICAL REVIEW ☐ CASE STUDIES ☐ BEAM SUNLIGHTING ☒ SKYLIGHTS ☒ GLARE ☒ THERMAL/ILLUMIN. ☒ USER RESPONSE ☐
RECENT PUBLICATIONS/PRESENTATIONS	
<ul style="list-style-type: none"> * Directory of People in Daylighting 	
	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	ACTIVITY SUMMARY
<ul style="list-style-type: none"> Member-CEC Daylighting Task Force 	AVAILABILITY ☒ DESIGN METHODS ☐ CONTROLS-LIGHT ☐ CONTROLS-SOLAR ☐ HISTORICAL REVIEW ☐ CASE STUDIES ☐ BEAM SUNLIGHTING ☐ SKYLIGHTS ☐ GLARE ☐ THERMAL/ILLUMIN. ☐ USER RESPONSE ☐
RECENT PUBLICATIONS/PRESENTATIONS	
	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	842-8411
POSITION/TITLE	Vice President & General Manager		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY	
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.		AVAILABILITY	☒
		DESIGN METHODS	☒
		CONTROLS - LIGHT	☒
		CONTROLS - SOLAR	☒
		HISTORICAL REVIEW	☒
		CASE STUDIES	☒
		BEAM SUNLIGHTING	☒
		SKYLIGHTS	☒
		GLARE	☒
		THERMAL/ILLUMIN.	☒
RECENT PUBLICATIONS/PRESENTATIONS		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		ACTIVITY SUMMARY	
<ul style="list-style-type: none"> - 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 		AVAILABILITY	☒
		DESIGN METHODS	☒
		CONTROLS - LIGHT	☒
		CONTROLS - SOLAR	☒
		HISTORICAL REVIEW	☒
		CASE STUDIES	☒
		BEAM SUNLIGHTING	☒
		SKYLIGHTS	☒
		GLARE	☒
		THERMAL/ILLUMIN.	☒
RECENT PUBLICATIONS/PRESENTATIONS		USER RESPONSE	
Daylight Design Seminars			
Nov. 1 & 2, 1979			
May 6 & 7, 1980			
		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)	862-2085
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
	DESIGN METHODS
	CONTROLS-LIGHT
	CONTROLS-SOLAR
	HISTORICAL REVIEW
	CASE STUDIES
	BEAM SUNLIGHTING
	SKYLIGHTS
	GLARE
	THERMAL/ILLUMIN.
USER RESPONSE	
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
	DESIGN METHODS
	CONTROLS-LIGHT
	CONTROLS-SOLAR
	HISTORICAL REVIEW
	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>JULIS THORN LIGHTING LABORATORY</u>		DATE <u>10/9/79</u>
ADDRESS <u>Great Cambridge Road</u> <u>Enfield, Middlesex, England</u>		CITY <u>Enfield</u>
NAME <u>J.A. LYNS</u>	PHONE () <u>011-361-3511</u>	
POSITION/TITLE <u>Project Engineer</u>		

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY
Research and consultation in all aspects of lighting	AVAILABILITY ☒
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☒
	CONTROLS-SOLAR ☒
	HISTORICAL REVIEW ☒
	CASE STUDIES ☒
	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
	USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS	
"Principles of Natural Lighting" Applied Science Publishers	
"Developments in Lighting" (Editor)	
"Joint Paper & Crisp, Collins & Hunt, etc conference, ENGLAND" ^{APP.}	
	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>		CITY <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	ACTIVITY SUMMARY
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.	AVAILABILITY ☒
	DESIGN METHODS ☒
	CONTROLS-LIGHT ☒
	CONTROLS-SOLAR ☒
	HISTORICAL REVIEW ☒
	CASE STUDIES ☒
	BEAM SUNLIGHTING ☒
	SKYLIGHTS ☒
	GLARE ☒
	THERMAL/ILLUMIN. ☒
	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 NAME		TECHNICAL RESEARCH CORPORATION		DATE Aug 1979	
ADDRESS		666 Fifth Avenue		CITY 10019	
		New York, NY			
NAME		Robert Turner		PHONE (212) 399-3265	
POSITION/TITLE		Architect			
CURRENT DAYLIGHTING ACTIVITIES				ACTIVITY SUMMARY	
1. Evaluating construction projects for application of daylighting.				☒ AVAILABILITY ☒ DESIGN METHODS ☒ CONTROLS-LIGHT ☒ CONTROLS-SOLAR ☒ HISTORICAL REVIEW ☒ CASE STUDIES ☒ BEAM SUNLIGHTING ☒ SKYLIGHTS ☒ GLARE ☒ THERMAL/ILLUMIN. ☒ USER RESPONSE	
2. Working as consultant to PDI to promote daylighting concepts with owners, designers and code officials.					
RECENT PUBLICATIONS/PRESENTATIONS					
1. The National Real Estate Investor, August, 1979 "Window Management Can Lead to Energy Savings"					
				BUILDING DESIGNER	

EIR/Organizational	US Navy Civil Engineering Laboratory	DATE	1-28-80
ADDRESS	Naval Construction Battalion Center Port Hueneme, CA	CIP	98043
NAME	William Pierpoint	PHONE (805)	982-5778
POSITION/TITLE	Electrical Engineer		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY	
<p>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.</p>		AVAILABILITY	X
		DESIGN METHODS	X
		CONTROLS-LIGHT	X
		CONTROLS-SOLAR	
		HISTORICAL REVIEW	
		CASE STUDIES	
		BEAM SUNLIGHTING	
		SKYLIGHTS	X
		GLARE	X
		THERMAL/ILLUMIN.	X
RECENT PUBLICATIONS/PRESENTATIONS		USER RESPONSE	X
<p>"Equal-Visibility Lighting Control Principles," was presented at the 1979 Annual Illuminating Engineering Society Technical Conference, Atlantic City, NJ.</p>			
		BUILDING DESIGNER	X

Participant Survey Response

FIRM/ORGANIZATION <u>UCLA School of Architecture</u>		DATE <u>July '79</u>
ADDRESS <u>405 Hilgard Ave.</u> <u>Los Angeles, California</u>		CITY <u>90024</u>
NAME <u>Murray Milne</u>	PHONE <u>(213) 825-7370</u>	
POSITION/TITLE <u>Professor</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY
- SOLAR-2 computer model of direct sunlight penetration for design of fins, overhangs.		AVAILABILITY ☒
- Teaching course on Natural/Artificial Light for architects.		DESIGN METHODS ☒
		CONTROLS-LIGHT ☒
		CONTROLS-SOLAR ☒
		HISTORICAL REVIEW ☒
		CASE STUDIES ☒
		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☒
		GLARE ☒
		THERMAL/ILLUMIN. ☒
		USER RESPONSE ☒
		TEACH COURSE ☒
RECENT PUBLICATIONS/PRESENTATIONS		
- SOLAR-2 - described in ISES Proceedings 1977 (Orlando conference).		
		BUILDING DESIGNER ☒

FIRM/ORGANIZATION <u>UNIVERSITY OF COLORADO</u>		DATE <u>4/10/80</u>
ADDRESS <u>Eng. Ctr. OT4-34 Campus Box 420</u> <u>Boulder, Colorado</u>		CITY <u>80309</u>
NAME <u>Ronald H. Helms, Ph.D., P. E.</u>	PHONE <u>(303) 492-7315</u>	
POSITION/TITLE <u>Professor of Illumination Engineering</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY
- Development of a daylighting optimization program.		AVAILABILITY ☒
- Summer institutes on lighting and energy conservation include daylight.		DESIGN METHODS ☒
- Published book - "Illumination Engineering for Energy Efficient Luminous Environments", by Prentice Hall, chapter 10 of my book deals with the subject of daylighting.		CONTROLS-LIGHT ☒
		CONTROLS-SOLAR ☒
		HISTORICAL REVIEW ☒
		CASE STUDIES ☒
		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☒
		GLARE ☒
		THERMAL/ILLUMIN. ☒
		USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS		
		BUILDING DESIGNER ☒

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 (603) <u>862-1357</u>
POSITION/TITLE <u>Professor</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY
1. Development of computerized energy trade off studies of skylights.		AVAILABILITY
2. Energy trade off analysis of north facing windows.		DESIGN METHODS
3. Analysis of slope glazing systems.		CONTROLS-LIGHT
		CONTROLS-SOLAR
		HISTORICAL REVIEW
		CASE STUDIES
		BEAM SUNLIGHTING
		SKYLIGHTS
		GLARE
		THERMAL/ILLUMIN.
		USER RESPONSE
RECENT PUBLICATIONS/PRESENTATIONS		
"A procedure for Calculating the Potential Savings in Lighting Energy from the Use of Skylights", Journal of IES, July, 1977.		
		BUILDING DESIGNER

FIRM/ORGANIZATION		SOLARCH-SOLAR ENERGY RESEARCH UNIT		DATE	10/79
ADDRESS		THE GRADUATE SCHOOL OF THE BUILT ENVIRONMENT UNIVERSITY OF NEW SOUTH WALES, SYDNEY P.O. BOX 1, KENSINGTON AUSTRALIA		ZIP	2033
NAME		JOHN A. BALLINGER		PHONE (02)	662-3292
POSITION/TITLE		DIRECTOR-SOLARCH		SENIOR LECTURER	

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 901</u>		
<u>9470 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 ☒
		CONTROLS-LIGHT ☒
		CONTROLS-SOLAR ☐
		HISTORICAL REVIEW ☒
		CASE STUDIES ☒
		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☐
		GLARE ☒
		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 (040) <u>552-440 Ex. 3013</u>	
POSITION/TITLE <u>Research Fellow</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY ☒
Integration of daylight routines within ESP - a dynamic building energy simulation system.		AVAILABILITY ☒
Further development of NATLIT - a stand alone computer program for daylight analysis in buildings.		DESIGN METHODS ☒
		CONTROLS-LIGHT ☐
		CONTROLS-SOLAR ☐
		HISTORICAL REVIEW ☐
		CASE STUDIES ☐
		BEAM SUNLIGHTING ☐
		SKYLIGHTS ☐
		GLARE ☐
		THERMAL/ILLUMIN. ☒
		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 ☐

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

CURRENT DAYLIGHTING ACTIVITIES	ACTIVITY SUMMARY	
Development of UWLIGHT lighting simulation program	AVAILABILITY	
	DESIGN METHODS	X
	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.	X
	USER RESPONSE	

RECENT PUBLICATIONS/PRESENTATIONS	
Papers/workshop presentations at 2nd, 3rd, and 4th Nat. Passive Solar Conferences.	
Co-author (with W. Millet) of paper to be published in <u>Lighting Design and Application</u> .	
BUILDING DESIGNER	X

FIRM/ORGANIZATION Department of Architecture		DATE 8-3-79
College of Architecture & Urban Planning		
ADDRESS University of Washington, Seattle, WA	ZIP 98195	
NAME Marietta S. Millet	PHONE (206) 543-4736	
POSITION/TITLE Assistant Professor		
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 X
		DESIGN METHODS X
		CONTROLS - LIGHT
		CONTROLS - SOLAR
		HISTORICAL REVIEW
Continuing work on Daylighting Design Method developed with Jim Bedrick.		CASE STUDIES X
		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 Aimmune</u>		PHONE <u>(608) 263-7426</u>
POSITION/TITLE <u>Program Coordinator</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY
Tailor a set of daylighting criteria for use by Wisconsin A-E firms, home builders, government offices.		AVAILABILITY ☒
Develop a short course to offer by the Univ. Extension		DESIGN METHODS ☒
		CONTROLS - LIGHT ☒
		CONTROLS - SOLAR ☒
		HISTORICAL REVIEW ☒
		CASE STUDIES ☒
		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☒
		GLARE ☒
		THERMAL/ILLUMIN. ☒
		USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS		
		BUILDING DESIGNER ☒

FIRM/ORGANIZATION <u>Van der Ryn, Calthorne & Partners</u>		DATE <u></u>
ADDRESS <u>Drawer F</u> <u>Guverness, California</u>		ZIP <u>94937</u>
NAME <u>SCOTT MATTHEWS</u>		PHONE <u>(415) 669-7155</u>
POSITION/TITLE <u>Principal</u>		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY
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.		AVAILABILITY ☒
model tests		DESIGN METHODS ☒
full scale mockup		CONTROLS - LIGHT ☒
experimental correlation of insolation, sky conditions, measured illumination. For computer simulation of yearly system performance.		CONTROLS - SOLAR ☒
		HISTORICAL REVIEW ☒
		CASE STUDIES ☒
		BEAM SUNLIGHTING ☒
		SKYLIGHTS ☒
		GLARE ☒
		THERMAL/ILLUMIN. ☒
		USER RESPONSE ☒
RECENT PUBLICATIONS/PRESENTATIONS		MIRROR-REFLECTED DAYLIGHT ☒
TVA Project Case Study--September 1979 AIA Journal		INSOLATION/ILLUMIN. CORRELATION ☒
		BUILDING DESIGNER ☒

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 FVA & National Endowment for Arts		
CURRENT DAYLIGHTING ACTIVITIES		ACTIVITY SUMMARY ☒
		AVAILABILITY ☐
		DESIGN METHODS ☐
		CONTROLS-LIGHT ☐
		CONTROLS-SOLAR ☐
		HISTORICAL REVIEW ☒
		CASE STUDIES ☒
		BEAM SUNLIGHTING ☐
		SKYLIGHTS ☐
		GLARE ☐
		THERMAL/ILLUMIN. ☐
		USER RESPONSE ☐
RECENT PUBLICATIONS/PRESENTATIONS		Education & Program Support ☒
AIA Journal 9/79		
		BUILDING DESIGNER ☐

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

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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
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	BI-AM SUNLIGHTING	SKYLIGHTS	CLARE	THERMAL ILLUMINATION	USER RESPONSE	
			•	•		•			•		•	BURNETTE, PAULA
			•	•		•			•		•	CARNER, DON
	•	•								•		CLARKE, J. A.
		•										CLEAR, ROBERT
	•	•	•	•	•		•			•		DEAN, EDWARD
		•	•							•		DI LAURA, DAVID
						•	•					DUGUAY, MICHEL
•	•	•		•		•	•					FACRET, 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	SKYLIGHTS	GLARE	THERMAL ILLUMINATION	USER RESPONSE
FLYNN, JOHN F.		•	•			•				•	•	
FRAKER, HARRISON	•	•	•	•		•	•	•		•	•	
FUETSCH, TED	•		•	•	•		•			•		
GARCIA, JOSE				•	•			•				
GARRISON, AUBREY III	•	•	•	•	•			•		•		
GIBSON, CHARLES			•	•	•	•				•		
GILLETTE, GARY		•	•		•			•		•		
GLENNIE, WILLIAM	•	•	•	•	•			•		•		
GRIFFITH, J. W.					•	•						
HELMS, RONALD	•	•								•	•	
JONES, BILL E.	•	•	•					•		•		

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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. E.
•	•		•	•			•			•		KLAMMT, FRED
•	•	•		•			•			•		KUSUDA, T.
•	•		•	•			•	•	•	•	•	LAM, WILLIAM
		•	•	•		•	•	•	•	•		LEMONS, THOMAS
•	•	•	•	•			•		•	•	•	LINDSEY, LAWRENCE
	•	•	•	•			•			•		LYNES, J. A.
•			•	•			•					MATTHEWS, SCOTT
	•	•	•	•		•	•	•	•	•	•	MEHTA, LAHERI
•		•	•	•		•			•			MILNE, MURRAY

Activity Index

	DESIGNER ARCHITECT	AVAILABILITY	DESIGN METHODS	CONTROLS	LIGHT	CONTROLS	SOLAR	HISTORICAL REVIEW	CASE STUDIES	BEAM SUNLIGHTING	SKYLIGHTS	GLARE	THERMAL ILLUMINATION	USER RESPONSE
MILLER, MARIETTA	•	•	•						•					
MCCLOSKEY, MARTIN					•								•	
MCKAY, HAYDEN	•	•	•		•	•			•	•		•		
MCNAMARA, JIM													•	
NOVA, RAMON	•	•	•		•	•			•	•	•	•	•	•
PIERPOINT, WILLIAM	•	•	•		•					•		•	•	•
RHODES, WILLIAM									•					
RODGERS, NANCY	•	•							•					
RUBINSTEIN, FRANCIS			•		•									
SELKOWITZ, STEPHEN		•	•		•	•			•	•	•		•	
SHADIX, JERRY	•	•	•		•	•				•			•	

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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	
•	•	•	•	•	•	•	•	•	•	•	•	SIZEMORE, MICHAEL
•	•	•	•	•	•	•	•	•	•	•	•	TERNOBY, STEVEN
•	•	•	•	•	•	•	•	•	•	•	•	THOMAS, RICK
•	•	•	•	•	•	•	•	•	•	•	•	TREADO, STEPHEN
•	•	•	•	•	•	•	•	•	•	•	•	THRUN, ERIC
•	•	•	•	•	•	•	•	•	•	•	•	VAN DYCK, ROBERT
•	•	•	•	•	•	•	•	•	•	•	•	VILLECCO, MARQUETTE
•	•	•	•	•	•	•	•	•	•	•	•	WHITE, ROBERT
•	•	•	•	•	•	•	•	•	•	•	•	YELLOTT, JOHN
•	•	•	•	•	•	•	•	•	•	•	•	
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Daylighting Publications

BAKER, DAVID

"Daylighting Design for a New State Office Building in San Jose, Ca.," *Proceedings of the Fourth National Passive Solar Conference*, pp. 411-415, 1979.

BOYER, LESTER L.

"Subterranean Designs Need Daylighting," *Earth Shelter Digest*, 1 (4): 32, 1979.

BRYAN, HARVEY

"Daylighting Design for the Sacramento State Office Building Competition," *Proceedings of the 2nd National Passive Solar Conference*, pp. 371-376, March 1978.

"A Simplified Procedure for Calculating the Effects of Daylight from Clear Skies," *Journal of the Illuminating Engineering Society*, pp. 142-151, April 1980.

BURKHARDT, WILLIAM C.

"Solar U-Number (S-U-N) Modifiers for Skylights," ASHRAE, Annual Technical Conference, June 27, 1979, Detroit, MI, ASHRAE Trans. 1979, Vol. 85, Part 2.

CLARKE, V. A.

"Energy Implications in Building Design: A Thermal Simulation Design Model," *Proceedings of the 3rd International Symposium on the Use of Computers for Environmental Engineering Related to Buildings*, Banff, CA, May 1978.

DI LAURA, DAVID L.

"On Calculating the Effects of Daylighting in Interior Spaces," *Journal of the Illuminating Engineering Society*, October 1978.

DUGUAY, MICHEL A.

"Solar Electricity: The Hybrid System Approach," *American Scientist*, Vol. 65, pp. 422-427, July/August 1977.

"Lighting With Sunlight Using Sun Tracking Concentrators," *Applied Optics*, Vol. 16, No. 5, May 1977.

"Transmission of 3-D Images by Means of Lens Guides," *Applied Optics*, Vol. 18, No. 12, June 1979.

EDWARDS, HOWARD B.

- "Bringing Outdoor Light Indoors," *The Virginia Engineer*, p. 19, Feb. 1979.
- "Optics for Natural Lighting," NASA Tech. Brief No. LAR - 12333, 1978.

EVANS, BENJAMIN H.

- Thoughts on the Design of Buildings with Daylight, 1979.
- IES Recommended Practice of Daylighting - Revisions for 1979 Edition.

FLYNN, JOHN E.

- "A Review of the State-of-the-Art of Daylighting in Buildings," March 1979 (with Howard Kingsbury, Gary Gillette), The Pennsylvania State University.

FRAKER, HARRISON

- "Princeton Library with a Glowing, Sculptured Ceiling," *AIA Journal*, pp. 82-83, September 1979.

GILLETTE, GARY

- "A Review of the State-of-the-Art of Daylighting in Buildings," March 1979 (with John Flynn, Howard Kingsbury), The Pennsylvania State University.

GRIFFITH, JAMES WILLIAM

- "Benefits of Daylighting—Cost and Energy Savings," *ASHRAE Journal*, pp. 53-56, January 1978.
- "Daylight and Energy Conscious Design," *ASHRAE Journal*, pp. 49-51, August 1979.

HELMS, RONALD

- "Illumination Engineering for Energy Efficient Luminous Environments," Chapter 10: *Daylighting*.

JUROVICS, S. A.

- "Solar Radiation Data, Natural Lighting and Building Energy Minimization," ASHRAE Symposium, June 1979, Paper No. DE-79-2, No. 1 and IBM LASC Report No. G 320-2699.

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LYNES, J. A.

Principles of Natural Lighting, Applied Science Publishers, Middlesex, England, 1968.

Developements in Lighting (Editor), Applied Science Publishers, Middlesex, England, 1978.

"A Sequence for Daylighting Design," *Lighting Research and Technology*, Vol. II No. 2, pp. 102-106, 1979.

MILLET, M. S., J. R. BEDRICK, G. S. SPENCER and G. B. VAREY

"Lighting and Building Codes for Energy Conservation," *Proceedings of NBS/NCBCS Joint Conference on Research and Innovation in the Building Regulatory Process*, 1978 (in press).

"Design for Daylighting: A New Prediction Technique," *Proceedings of the Third National Solar Conference*, pp. 121-125, Pergamon Press, 1979.

MURDOCH, JOSEPH B.

"A Procedure for Calculating the Potential Savings in Lighting Energy from the Use of Skylights," *Journal of IES*, July 1979.

RODGERS, N. C., J. A. BALINGER and C. DUNKERLEY

"An Analysis of Innovative Methods in Natural Lighting," *Architectural Science Review*, Vol. 22, No. 2, pp. 44-48, 1979.

"The Potential Beam Sunlighting," *Lighting Design and Application*, Vol. 9, No. 11, pp. 33-35, November 1979.

"Efficient Daylighting in Buildings," *IES Lighting Review*, Vol. 41, No. 6, December 1979.

SELKOWITZ, STEPHEN

"Beam Daylighting, an Alternative Illumination Technique," *Energy and Buildings*, Vol. 1, 1977.

"Effective Daylighting in Buildings," Parts I and II, *Lighting Design and Applications*, February and March 1979.

"Daylighting and Passive Solar Buildings," *Proceedings of the 3rd National Passive Solar Conference*, pp. 271-281, January 1979.

SIZEMORE, MICHAEL

Energy Planning for Buildings, American Institute of Architects.

TERNOEY, STEVEN

"Daylighting Design Methodologies," *Tech. Report SERI/Passive Technology Branch*, Golden, Colorado.

TURNER, OSCAR

"Window Management Can Lead to Energy Savings," *The National Real Estate Investor*, August 1979.

Two Tishman buildings in Orange County designed with photocell controlled multilevel lighting systems (information package available), Tishman Research Corporation, 666 Fifth Avenue, New York, NY 10019

YELLOTT, JOHN L., P.E.

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

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	24-30	IES National Conference, Dallas, Texas
September	19-23	World Energy Conference, Munich, West Germany