



Northern States Power Company

122 Fifth Avenue North  
P.O. Box 727  
La Crosse, Wisconsin 54602  
Telephone (608) 782-8110

March 15, 1985

*3RD ENTRY*

Mr. Ray A. Kibort  
Region VI Historian  
Barber-Coleman Company  
323 N. 2nd St.  
Rockford, IL 61107

Subject: Gold Ribbon & Log Book of Time Award  
3rd Entry - History of a Person

Dear Mr. Kobort:

I am enclosing the La Crosse Area Chapter 3rd Entry for the Gold Ribbon and Log Book of Time Award. Mr. Neil Patterson, P.E., is a person who has been extremely active in the affairs of ASHRAE, both on the chapter level and on the national level. We feel he is well qualified to represent the La Crosse Area Chapter for this award.

If you have any questions, please feel free to call on me.  
Thank you.

Very truly yours,

James M. Ritter, P.E.  
Chapter Historian  
La Crosse Area Chapter

JMR/jmh

Enclosure

3RD ENTRY

NEIL R. PATTERSON, P.E.  
Director of Integrated Systems  
The Trane Company, La Crosse, Wisconsin 54601

Neil R. Patterson, Director of the Trane Company's new Integrated Systems efforts is responsible for the overall direction of development for integration of micro-electronic technology into Trane Company HVAC products and systems for system and equipment energy optimization in buildings. Specifically, this includes the overall integration of products and systems into the Company's TRACER Automation Systems for total building automated control.

Patterson has 31 years of experience in the HVAC industry and has held positions with The Trane Company in various marketing departments including heat transfer, air-cooled heat exchanger, refrigeration, application engineering and most recently held the position of Manager of Building Energy Systems Engineering for the Company. Patterson earned his Bachelor's Degree in mechanical engineering at South Dakota State University, Brookings. He served in the U. S. Air Force as a ground equipment maintenance officer during the Korean Conflict and is a Registered Professional Engineer in the State of Wisconsin.

Active in ASHRAE and energy conservation activities, Patterson has served as President of the La Crosse Chapter of ASHRAE, currently serves on the La Crosse Energy Committee, is a consulting member of the new ASHRAE STD 90A-Committee for energy conservation in new building construction and a member of the ASHRAE Technology Council. He is also a past chairman of the societies Standards Committee, and the Project Committee for a new upcoming ASHRAE Standard 100.4P for energy conservation in existing industrial facilities. Beyond this he has also served on the Governmental Affairs Committee, the Presidential Ad-Hoc Committee for energy policy and several technical committees. Most recently he was elected to the Board of Directors for the Society.

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FROM: Public Relations  
THE TRANE COMPANY  
608-787-3111

3/8/85

Name: Neil R. Patterson, P.E.

ASHRAE HISTORY

1. Joined Society (year)	1970-71	Present Grade	Member	Year
2. Chapter: Offices held, with dates	Secretary 1971-72, President 1972-73			
3. Chapter committee service	Energy Committee, CRC (2-yrs), Program Comm., Brd., or Dir.			
4. Society Activities				Chairman or Member
From	To	Name of Committee of Other Activity		
1973	1981	Standard 90 Project Comm. Energy Cons. New Bldgs.		M
1977	1981	TC 4.7 Energy Calculation		M
1979	1981	SPC 83P		
1978	1980	Chairman SPC 100.4 Energy Cons. Existing Bldgs.		Chairman
1977	1978	Standards Committee		M
1978	1980	Standards Committee (SPLS)		Chairman
1981	1982	Standards Committee		Chairman
1982	1983	Govt. Affairs Committee		M
1983	1985	Technology Council		M

7. TECHNICAL INTEREST AREAS (heat transfer, odors, controls, heating)  
Heat transfer, HVAC, Building Energy and Economic Analysis for Energy Conservation.

8. HONORS  
Honorary Societies, Citations, Awards Blue Key, Thoman E. Hanson Award of Excellence  
ASHRAE Fellow, Friend of Ext. Engineering U. of WI.

9. PUBLICATIONS (technical)

Number of books \_\_\_\_\_ Papers 6+ Articles 12+

List significant publications (title, publication, date)

Recip. Refrid. Piping and Control May 80 HPAC

Fan Selection & Control in High Velocity VAV Systems April 77 ASHRAE Journal

Life Cycle Cost Approach to Retrofitting Sept. 78 Journal

Impact of Std. 90 on High Rise Office Building Energy and Economics 1976 HPAC

Energy Cons. Existing Buildings Jan. 78 HPAC

Energy Performance For New Buildings Jan. 80 ASHRAE Journal

10. PROJECTS: List below significant projects

Project identification	Year	Your Relationship	Significance
BEPS-Std. 90 Equivalency	1980-81	Member Ad-Hoc Committee ASHRAE	
Std. 90 Educational Comm.	1975-76	Member Ad-Hoc Educational Committee ASHRAE	Teach St to the Society

11. PATENTS  
Number of U.S. patents \_\_\_\_\_ List below significant patents

12. CIVIC, CHARITABLE AND MILITARY SERVICE

2 Years Service USAF Korea

Chairman - Church Council Good Shepard Lutheran Church

Member - Church Council - 6 Years

Boy Scouts - Troop Executive 7 Years

Guest Lecturer - Several Universities, Univ. of Wisc.; Univ. of Minn.; VPI, Duke Uni

13. OTHER INFORMATION (Also use this space for extension of items above)

Have presented technical papers at several ASHRAE CRL meetings and national ASHRAE meet

Also, DOE Energy Symposiums as well as AASA, AIPE, NSPE, APPA, NRA, AIA, AMA and Hospi

Association Meetings.

31 Years Experience in HVAC industry.

(1) North Carolina State, Florida State, New England College, New Hampshire, and pur

BIOGRAPHICAL RECORD

Date 3/8/85

BASIC DATA

Neil R. Patterson

6-17-29

at Highmore, South Dakota

Address: 2915 Mesa Grande Place, La Crosse, Wisconsin 54601

Business Firm: The Trane Company

Address: 3600 Pammel Creek Road, La Crosse, Wisconsin 54601

EDUCATIONAL RECORD

Education	Institution	Course	Years Completed	Date of Grad	Degree
High School	Brookings High School	General	4	1947	
College or University	South Dakota University Brookings, S.D.	ME	4	1951	BSME
Grad Study					
Other					

PROFESSIONAL EXPERIENCE (include each assignment)

From	To	Employer	Your Title	Describe duties as Dev, Appl, Sales, et
1951	1953	USAF (KOREA)	1st LT	Ground Equipment Maintenance Officer
1953	1954	Wright Patterson AFB U.S. Gov.	Test & Proj. Eng.	Air Craft Power Plant Project Engineer
1954	1960	The Trane Company	Engineer	Special Heat Transfer Design & Marketing
1961	1971	The Trane Company	Sales Engineer	Marketing Various Commercial Product Lines
1972	1979	The Trane Company	Mgr. Application Engineering	Tech. Support to Marketing on HVAC Equip. and systems
1979	1984	The Trane Company	Mgr.	-Building Energy Systems En. Application and Analysis of HVAC Systems in Buildings
1985	Present	The Trane Company	Director of Integrated Systems	Development of integrated Systems, Products and software for HVAC control optimization

ENGINEERING REGISTRATION

Date	Date	Number	State	Systems software for HVAC control optimization
Wisconsin	October 11, 1968	E10944		

MEMBERSHIP AND ACTIVITIES IN OTHER SOCIETIES OR TRADE ASSOCIATIONS

Society or Trade Assn.	Grade	Yr. Admitted	Committee	Year	Chrm/Mem
Association of Energy Eng.	Member	1978			Member