



11490 Commerce Park Drive
Reston, Virginia 22091
(703) 620-3171

December 10, 1991

Matt Thair
Home Mechanics Magazine
No. 2 Park Avenue
New York, NY 10016

Dear Mr. Thair:

Thank you for your interest in masonry heaters and the Masonry Heater Association of North America. A letter outlining the organization and a list of its member consultants is enclosed.

There are several sources of information on masonry heaters. "The Book of Masonry Stoves, Rediscovering an Old Way of Warming" by David Lyle is a good source of general and historic information. Numerous articles have been written in Masonry Construction magazine, Good Living magazine and others. In addition, the December 1991/January 1992 issue of Fine Homebuilding describes in detail the construction of a masonry heater.

I would be interested in receiving a copy of the Home Mechanics magazine containing the article you have planned. It is not a publication which our office normally receives, but this article would be a good addition to my library of files relating to masonry heaters.

If you have further questions or require more information, please feel free to contact me.

Sincerely,

Christine A. Subasic
Administrator



Christine A. Subasic, E.I.T.
Staff Engineer
Engineering and Research

Brick Institute of America

11490 Commerce Park Drive Reston, Virginia 22091 (703) 620-0010



11490 Commerce Park Drive
Reston, Virginia 22091
(703) 620-3171

October 25, 1991

Norbert Senf
Masonry Stove Builders
RR 5
Shawville, PQ J0X 2Y0

Dear Norbert:

Hi! I would like to introduce myself to you. I am the new Administrator for MHA. I started working with the Brick Institute of America three weeks ago and am trying to pick up with MHA where Brent Gabby left off. I came to BIA after working as a structural engineer with a consulting firm for two years. I earned my undergraduate degree in architectural engineering at the Pennsylvania State University.

I am quickly learning all about MHA and have spoken with some of the key people involved with the organization. In fact it was Stig Karlberg who suggested I contact you as editor of MHA NEWS. That leads me to some business I wanted to take care of, but did not know how. I found these two names (enclosed) in my files. Apparently they are on your mailing list. Would you please confirm that the necessary changes have been made? I hope you are the proper person to contact for such problems. Please contact me if you have any questions about these labels, or if you just wish to talk.

I look forward to meeting you.

Sincerely,

A handwritten signature in cursive script that reads 'Christine A. Subasic'.

Christine A. Subasic



Brick Institute of America THE NATIONAL AUTHORITY ON BRICK CONSTRUCTION

Post-It™ brand fax transmittal memo 7671

of pages ▶ 1

To <i>Stig Karlberg</i>	From <i>T. Subasic</i>
Co. <i>Royal Crown</i>	Co. <i>BIA / MHA</i>
Dept.	Phone # <i>703-620-3171</i>
Fax # <i>815-968-0739</i>	Fax #

October 17, 1991

Kim Banks
P.O. Box 621
Shawnee Mission, KS 66201

Dear Ms. Banks:

Thank you for your interest in masonry heaters and the Masonry Heater Association of North America. The Masonry Heater Association is a trade alliance whose members include mason contractors, builders, and companies involved in the masonry heater industry. A list of these members is enclosed for your use.

The Brick Institute of America offers Technical Notes on the building requirements for fireplace and masonry heater installations. A copy of the most pertinent Technical Notes (19B and 19E) are included, as well as a Publications Catalog should you wish to obtain any additional information from the Brick Institute of America.

Good luck.

Sincerely,

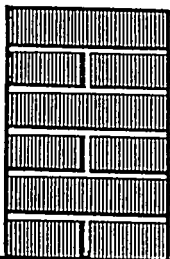
Christine A. Subasic

Christine A. Subasic
Staff Engineer
Engineering and Research

CAS/cl
Enclosures

Dear Stig,

Hi! I am the new administrator for MHA. This is a copy of the letter I sent in response to a request for masons + building requirements, prior to finding your fax to Brent on Aug. 2 regarding forwarding leads to you. Call with any questions.
Tina Subasic



Masonry Stove Builders

DEC - 2 1991

(613) 230-6559
FAX 230-7853

RR 5 Shawville
Quebec J0X 2Y0

November 16, 1991

Christine Subasic
MHA Administrator
BIA
11490 Commerce Park Drive
Reston
VA 22091

Dear Christine:

Thank you for your letter of introduction. My apologies for the delay in replying. I'm happy to see that you are able to take over where Brent left off, and, speaking on behalf of the membership, we appreciate the efforts of those willing to get involved.

Allow me to reciprocate with a brief introduction of my own: I was educated as a mechanical engineer, although I did not graduate. I've been a mason for 25 years, and have been building masonry heaters since 1978. I build mainly contraflow heaters (as well as conventional "Rosin" fireplaces) and developed the "Heat-Kit" contraflow core system about 7 years ago.

Enclosed please find the current copy of MHA News, hot off the press. Also enclosed are some back issues, in case you don't have them on file. They should give you some idea of what the association is about.

As you will probably have gathered by now, the association is very informal in nature. Any structure that it may manifest is usually due to whoever has been expending effort

on it lately. Nevertheless, it seems to be surviving quite well. I think that one of its main formal functions right now is to serve as a front for dealings with regulators and code bodies, etc. On an informal level, it's a great opportunity to connect with people who share common interests.

BIA's involvement dates back to our origins in the ASTM standards writing process. When Brent appeared a few years later, he was quite enthusiastic, which was very welcomed. I used to harp on him all the time about how the brick industry should get its head out of the sand and develop awareness, if not leadership, of new "with it" applications of clay products as an "ecologically correct" material.

Brent was elected secretary just shortly before he left BIA. I was the previous holder of the office, and in Brent's absence I asked Stig Karlberg to contact BIA and make sure that the required MHA administrative functions, that Brent had set up, would be covered. Jerry Frisch has informed me that Stig has agreed to cover the secretary's job.

So far, the main BIA functions have been:

- serve as a permanent address and phone number
- send out a brochure, current voting membership list, and any other material to MHA inquiries. Forward the leads to Stig as quickly as possible. Send out a corporate letter and membership application where appropriate.
- keep the MHA consultants list current and make appropriate referrals. For example, when BIA has an inquiry from an architect requesting engineering assistance with an unusual masonry fireplace design.

I hope that you will be able to make it the Phoenix meeting at the end of March and have a chance to meet everybody, and I look forward to meeting you, in person, as well.

Yours truly,

Norbert Sempf (NORBERT SENF)

PS - the names that you forwarded were not on my mailing list. (~~and~~)

John Gulland
Performance Woodburning
Killaloe
ONT
K0J 2A0

Ron Braaten
CCRL, CANMET
555 Booth St.
Ottawa
ON K1A 0G1

Oliver Drerup
DrerupArmstrong Construction
Box 130
Carp
ONT K0A 1L0

Christopher Ives
Research Div., CMHC
682 Montreal Road
Ottawa
ONT K1A 0P7

Eric Scobie
Wood 'N Energy
842 Clyde Ave.
Ottawa
ONT

Charles Lemay
IRTA
P.O. Box 250
Clarence Creek
ONT K0A 1N0

Walt Gallanty
Nat'l Ass'n of Brick Distributors
1000 Duke St.
Alexandria
VA 22314

John Crouch
Wood Heating Alliance
1101 Connecticut Ave., NW, Suite 700
Washington
DC 20036

Greg Allen
Allen Associates
33 Madison Ave
Toronto
ONT M5R 2S2

Naydene Maykut
PSAPCA
200 West Mercer St., Rm 205
Seattle
WA 98119-3958

Skip Hayden
CCRL, CANMET
555 Booth St.
Ottawa
ONT K1A 0G1

Skip Barnett
OMNI Environmental
10074 SW Arctic Drive
Beaverton
OR 97005

- This is the current
MHA News complimentary
mailing list.



11490 Commerce Park Drive
Reston, Virginia 22091
(703) 620-3171

November 18, 1991

ATTENTION: INTERESTED PARTIES
FROM: NORBERT SENF
SUBJECT: SCHEDULED MASONRY HEATER AND ROSIN
FIREPLACE EMISSIONS RESEARCH

Some additional emissions research is scheduled for this winter.

Mutual Materials has agreed to sponsor an in-field AWES test of a DWS Grundofen located in Portland Oregon. This unit is substantially the same as the unit tested at VPI. It does not use underfire air and indications are that it is cleaner than the Contraflow is in its present configuration. Consensus is that this is an important test. It is scheduled to take place in December, since all 10 of OMNI's AWES units are booked from January until March on other contracts.

AWES testing is also planned for a TULIKIVI Contraflow, where again we have VPI data for comparison. Sponsorship by TULIKIVI.

During the month of March, Jerry Frisch and myself will be conducting testing at his Seattle facility. Sponsorship, so far, by Lopez Quarries and Masonry Stove Builders. Testing and development is planned for the Firecrest Rosin and the Heat-Kit Contraflow, including evaluation of the "Bio-Firebox" from Rath Technical Refractories in Austria (described in Spring '91 MHA News). The current plan is to use the Condar sampler in combination with a dilution tunnel. This will allow comparison with both VPI and AWES data for both units. We would like to get as much mileage out of the data as possible, in line with MHA's mandate to develop a comprehensive database to help formulate design guidelines for builders. Accordingly, we are soliciting input from interested parties on designing the matrix of test parameters. Co-sponsorship and "strategic alliance" proposals are also welcomed.

October 30, 1991

Dear Tina,

I am mailing out identical mailings today to some 50 members of the MHA. Just wanted you to see what we do with the information we get from you, so that you know that your work isn't being wasted!

Thank you again.

Warmest regards,



Stig

NOV 4 1991



Royal Crown
EUROPEAN FIREPLACES, INC.
333 E. State, Suite 206
Rockford, Illinois 61104
815/968-2022
Telefax 815/968-0739

Stig Karlberg, President

October 29, 1991



Royal Crown

EUROPEAN FIREPLACES, INC.

333 E. State, Suite 206

Rockford, Illinois 61104

815/968-2022 • Telefax 815/968-0739



Dear Fellow MHA member,

It seems as if the work to get some publicity for MHA is slowly beginning to pay off. Several different press mentions, especially Pat Manley's excellent article in Masonry Construction, have drawn responses.

Should you be interested in continuing to receive the names and addresses of individuals who request more information about MHA, please send me a stack (at least 6) of regular business size envelopes (size #10), self addressed and with 52 cents postage. I will then use them for mailing you more leads, as they come in, and then notify you when I need more envelopes.

Please do not ask us to select leads only for your area. This would require more time to administer than we can set aside for this project at this time.

Each individual listed in the enclosed lists has already been mailed the MHA brochure, a membership application form, plus the MHA Consultants List (= a list of those of you who responded earlier to Brent Gabby's invitation to be listed in his MHA Consultants List).

Incidentally, Brent's job has been taken over by Tina Subasic of BIA, who has taken us to heart and is doing a superb job of responding to the MHA inquiries and also passing on the names and addresses to me for further distribution to you. I am delighted to see this, since I was worried that all our publicity efforts would be wasted when I heard that Brent had left.

Warmest regards,


Stig Karlberg

Marshall, Jim
P.O. Box 17
Stump Creek, PA 15863

Rock Hill Lumber Co.
P.O. Box 430
Rock Hill, SC 29731
803-327-2091
Was seen in Good Living by C&S Bank

Jackson, Steve
Village Sweep Chimney Svc.
39W055 Cheyenne Ct.
Elgin, IL 60123
708-742-3583

Stuempel, Paul
9 Woodland Pl.
Ft. Thomas, KY 41075

Misse, Altricia
2303 S. Stilwell
Pittsburg, KS 66762

Turecek, Dan
1627 Elizabeth Dr.
Chambersburg, PA 17201
From Good Living Magazine

Mikosz, Theresa
1129 Dell Rd.
Northbrook, IL 60062
From Good Living Magazine

Bertacchi, Mark
899 Woodlea
Birmingham, MI 48009

Daniels, Lystel
Rt. 1, Box 175
Beverly, WV 26253

Herzog, Cathy
10373 Xavis St. NW
Coon Rapids, MN 55433

Wilson, Steve
1225 Southgate Pkwy
Cambridge, OH 43725

Botkin, Victoria
11016 Harding Rd.
Laurel, MD 20723

Gray, Rosalie
Century 21 Bethel
Box 17
St. Clairsville, OH 43950

Likens Sr., Hartsel W.
Rt. 1, Box 107-A
Montrose, WV 26283

Combest, Earl T.
89500 Mill Hill Rd.
Bowerston, OH 44695

Cramer, Larry
P.O. Box 225
Reynoldsville, PA 15851

Langbein, B.
4851 N. Sayre
Chicago, IL 60656

Szymanski, Robin
2656 Walston Rd.
Mt. Airy, MD 21771

Wentz, Allen
261 Overlook Dr.
Lehighton, PA 18235



TULIKIVI GROUP-North
30 Glen Road
W. Lebanon, NH 03124
603-298-8388
603-298-7707 (fax)

FAX

To: TINA SUBASIC
Company: MHA
Fax #: 703-620-3928
Date: 10/24/91
Time: 245

From: TED COLEMAN
Subject: _____
pages excluding this: 1
cc: _____

Message: Hi TINA! I hope ALL is going well.
HERE IS THE FLYER THAT I WOULD PASS OUT
AT THE Remodeling show. I'll Add THE ADDR
When I get THE letterhead THANKS.

BEST REGARDS

Signed

UNDERSTANDING THERMAL MASS FIREPLACES

Fireplaces and Heat

Fireplaces are said to be the most desirable feature in a new home, yet common fireplace design has a reputation for low heating efficiency and often causes a net heat loss. Sometimes glass doors are used as a remedy for this heat loss, to prevent heated room air from escaping up the chimney.

People will frequently specify fireplaces as part of a new home or addition, and then rarely use this new fireplace because of its alleged inability to provide a net heat gain. *There are, however, fireplace designs where this is simply not the case.*

Few masons and contractors in North America have been taught to build a fireplace and chimney with the ability to offer significant heat. Most North American fireplaces built during recent history were designed and built solely with the idea of fire viewing—with little or no understanding of the principles of thermal mass prevalent in Europe and Scandinavia for centuries.

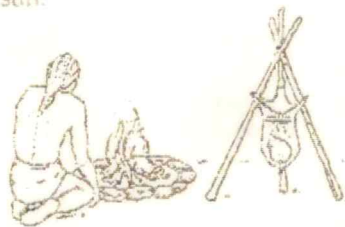
The traditional fireplace most of us are familiar with offers a visual enjoyment of long colorful flames blazing on the open hearth. Open fires usually last several hours and when the fire goes out, little residual heat remains.

More recently economics have played a role in the installation of metal, zero-clearance prefabricated fireplaces. Some of these fireplaces are designed to offer heat and fire viewing. But still, because of their use of lightweight metals, fall short of the durability and true heating potential of a well-designed masonry fireplace.

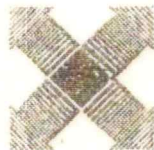
A true masonry fireplace, using the principles of thermal mass can offer the best of both worlds including: clean and efficient combustion, safety, convenience, and superb fire viewing.

The Importance of Thermal Mass

The benefits of thermal mass have been known for many years. Farmers in colder climates planted gardens near south facing masonry walls. American Indian Tribes built south facing stone cliff dwellings and surrounded their cooking fires with large stones. They also buried stones with their crop seeds to collect heat from the sun's rays. Primitive man placed large rocks into the fire, then dropped these hot rocks into a skin to boil liquids. More recently, passive solar systems have used stone walls or water for absorbing heat from the sun.



The concept of Thermal Mass has been in use since the dawn of man, but it is just more recently that we have started to learn how it works. Thermal mass relates directly to a materials ability to store and release heat energy.



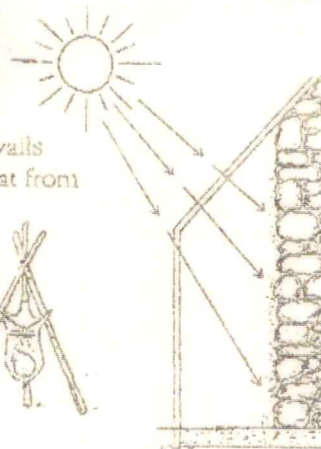
**Masonry
Heater
Association
Of North America**

How Are Thermal Mass Fireplaces Different?

A thermal mass fireplace produces usable, lasting heat along, you enjoy the glow of the fire.

"High mass" fireplaces are referred to by many names worldwide: Russian Fire, Contra Flow, Kachelöfen, and Masonry Heater. The basic concept is the same: heavy mass is contained

such as stone, brick, and glazed clay. Unlike conventional fireplaces, permanent, in your home. They are designed to store heat from short bursts of fire, like a sponge, drip the gentle heat long after the fire is out.

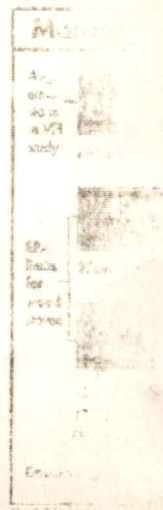


Best of both worlds

In essence, by utilizing technology in use for centuries, thermal mass fireplaces offer the benefits of conventional woodstoves, and instead of thermal mass fireplaces, an important advantage over any other kind of heating system. A detailed explanation

A CLEAN BILL OF HEALTH FOR MASONRY HEATERS

Recent studies at Virginia Polytechnic Institute show masonry heaters produce pollution levels well below EPA's limits for wood heaters.



Faxed
10-2-91
9:27 AM



THE FAX FROM THE
NATIONAL AUTHORITY ON BRICK

DATE: 2 October 91

TO: Julie Smith

Vermont Castings

FAX NO. 802-728-3940

FROM: J. Gregg Borchelt

Brick Institute of America

11490 Commerce Park Drive

Reston, VA 22091-1506

FAX No. (703) 620-3928 Phone No. (703) 620-0010

Number of Pages Including this Page 3

If there is a problem with this transmission, please call us.

MESSAGE

The following information on fireplaces in new, single-family housing is supplied in response to your request to the Masonry Heater Association. This information is collected by the Census Bureau.

Gregg Borchelt

Bill Mathews called here for information on fireplaces last week.



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

August 21, 1991

Mr. Thomas R. Stroud, President
Masonry Heater Association of North America
11490 Commerce Park Drive
Reston, Virginia 22091

Dear Mr. Stroud:

The Department of Ecology cannot grant any kind of blanket Washington State certification for stove models built by members of the Masonry Heater Association. Our engineering staff must first see all of the design specifications to be certain that further emission testing is not needed for some models.

Your association members may legally sell their masonry heaters in Washington without the certification testing, since masonry heaters are exempt by the definition of wood stove contained in "40 CFR 60 Subpart AAA - Standards of Performance for Residential Wood Heaters." Exemptions can also be obtained from stage one burn bans for masonry heaters by submitting some proof of ownership and perhaps design specifications to the local county air quality authority. This is similar to what certified stove owners must do in some Washington counties to appeal a citation or qualify for an exemption from a stage one burning ban prior to enforcement action. Design specifications, however, should first be sent to Washington Department of Ecology.

If you have further questions, please contact me at (206) 459-6231.

Sincerely,

A. Fred Greef
Wood Stove Coordinator
Air Quality Program

AFG:crp

cc: Joe Williams





TULIKIVI GROUP - North America
30 Glen Road
West Lebanon, NH 03784
(603) 298-8388
800-THE-FIRE

July 12, 1991

Mr. Alan Blake
WHA Communications Committee
Wood Heating Alliance
1101 Connecticut Ave
NW Suite 700
Washington DC 20036

Dear Alan:

This letter serves as a response to your memo of June 27 concerning Caucus suggestions for additions to the "action pack".

The Masonry Heater Caucus strongly believes that we should have an inclusion for our category of products in the action pack. The following points detail our reasoning:

1. Masonry Heaters are largely unknown in the U.S. Although well known in Europe and Scandinavia, these types of fireplaces are slowly gaining acceptance here in the U.S. but suffer in the regulatory process because of obscurity. (See John Crouch's memo attached, "Regulatory Issues for Masonry Heaters").
2. Masonry Heaters are among the cleanest burning products offered by the industry. According to a study conducted at VPI for the WHA and FERC, Masonry Heaters average 1.4 grams per hour in terms of emissions, which is lower than any woodburning stove or fireplace ever tested. In fact, one unit tested out at less than one gram per hour (.99 grams per hour), which the Masonry Heater Association believes is the lowest emissions level ever produced by a woodburning appliance (see executive summary of test method report and MHA press release).
3. Masonry Heaters have been certified in certain areas which have approved only EPA certified stoves. The following areas have accepted the VPI study as credible evidence of the clean burning performance of Masonry Heaters and certified those Masonry Heaters for sale in their areas. (See approval letters).

- a. Department of Ecology - State of Washington
- b. Tahoe Regional Planning Agency

Mr. Blake
Page 2
July 12, 1991

4. Masonry Heaters are one type of masonry fireplace. Recently, it has come to our Caucus' attention that legislators in King County, Washington are trying to treat all masonry fireplaces as one large group. In fact, there are many types of masonry fireplaces including:
- a. Traditional Chimney Fireplaces
 - b. Rumford Design Fireplaces
 - c. Rosen Design Fireplaces
 - d. Thermal Mass Fireplaces
 - 1. Masonry Heater Fireplaces
 - 2. Russian Fireplaces
 - 3. Finnish Contraflow Fireplaces
 - 4. Kachelofen
 - 5. Grundofen
 - 6. Kachelugn

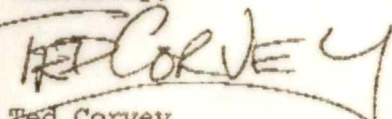
Although we have not been informed by the WHA or the Government Sub-Committee on the impact of the King Co. situation, we believe it's important for our trade association to draw a distinction between masonry fireplace types and let all interested groups know that a clean burning masonry fireplace is available to consumers. (See "Understanding Thermal Mass Fireplaces" - MHA Bulletin).

5. Masonry Heaters are a shining star for the WHA. Our Caucus is made up of a few small manufacturers and many private businessmen who have invested their hearts, souls, and economic resources to bring this environmentally sound product to this country. Our fireplaces are made of predominately natural materials, assembled by hand to produce the highest quality of wood heat and fireviewing at the lowest emissions levels. Although a small group, we certainly feel that our message deserves to be included among the other important messages that the WHA action pack delivers to this country. It's in the Association's interest and it's in our interest. After all, America loves the little guy. (See MHA Brochure).

Mr. Blake
Page 3
July 12, 1991

In conclusion, I feel we have made our case clear and credible. Unfortunately up until now, the Association has been slow to recognize our group due to the small nature of our market segment in comparison to the overall size of the industry. Indeed, I just received your letter yesterday because you were apparently unaware of my recent appointment as Caucus Chairmen at the meetings in Orlando. Although we understand that slow recognition of small groups is the nature of any Association, we sincerely want to be apart of the WHA's effort to utilize and enjoy the benefits of our most important natural resource, wood.

Sincerely,



Ted Corvey
Masonry Heater Caucus Chairman

cc: Tom Stroud, MHA President
Carter Keithley, WHA President
John Crouch, WHA - Emissions Specialist
Jim Hermann, WHA - Chairman,
Government Relations Sub-Committee

Nov. 3, 1990

MASONRY HEATER ASSOCIATION MEMBERS

Full Voting Member _____ Associate Member _____

24 Name _____

Company Name _____

Address _____

City _____ State _____ Zip _____

Phone # _____ Mobil # _____ Fax # _____

Type and style of Heaters you build _____

Cookstoves _____ Ovens _____

A. Are you a manufacture? _____

B. Are you a manufacture representative? _____

If answer is "yes" to either A. or B. What areas are covered by M.H.A. Dealers (Members). If more space is needed add another page. _____

Other services _____

How far would you travel? _____

Do you do Work Shops or Seminars? _____

Years of experience? _____

Would you give out references to customers? _____

The new Masonry Heater Association phone number at the B.I.A. office is:
703-620-3171

Please fill out this questionnaire and fold and send to Brent Gabby at the B.I. A. Office before 12/1/1990.

Thank you.

Gerry

From-

Stamp

Brent Gabby
Brick Institute of America
11490 Commerce Park Drive
Reston, VA. 22092

Brent
I numbered these
questionnaires so you could
tell where they
just are. Please
and I'll follow
up.
B.

DIETMEYER, WARD, & STROUD, INC.
P.O. BOX 323
VASHON, WA. 98070

FAX TRANSMITTAL

DATE

4/19/91

TO:

Brent Gabby

FAX NO.

703-620-3928

FROM:

Tom

DIETMEYER, WARD, & STROUD, INC.
PHONE NO. 206-463-3722
FAX NO. 206-463-6335

Number of pages including this page 2

If there is a problem with this transmission, please call us.

MESSAGE:

Here is our questionnaire
I hope I have covered everything
I found out about article in Professional
Builder. It was a products listing and they
listed Royal Crown, DW+S, and Tulilivi.
I am sending my list to Stig and he
has promised to dole them out fairly.
I talked to Ted about throwing theirs
in the pot, too. Will see how it
goes

Tom