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CONFERENCE

FRIDAY 8th JUNE, 1984

INSTITUTE OF DOMESTIC HEATING AND ENVIRONMENTAL ENGINEERS
37a High Road, Benfleet, Essex. Tel : 03745 54266

Welcome . . .

On behalf of the Institute of Domestic Heating and Environmental Engineers it is my pleasure to welcome you to the 1984 Conference.

This year our theme is concerned with topics ranging from the futuristic to the 'here and now'. From the correct application of current equipment and materials, to the use of newly emerging techniques with which to satisfy the unflagging demand for environmental comfort.

Our speakers today will be presenting their findings to you in the hope that you will respond by participating in the question and symposium sessions — for it has been well said that the purpose of a conference is to confer — and such two-way communication is to the advantage of both speakers and delegates.

Hopefully, too, you will enjoy the social atmosphere of the occasion and the opportunity of meeting old friends and making new acquaintances. For that also is one of the purposes of a conference — to discuss at close range the problems of this widespread industry and profession.

The Institute is grateful to those companies sponsoring the Conference and commends to you their several displays of literature and products.

I hope you will find the day to be well spent, rewarding and mentally stimulating.

Conference Organiser
Chairman and Founder IDHE

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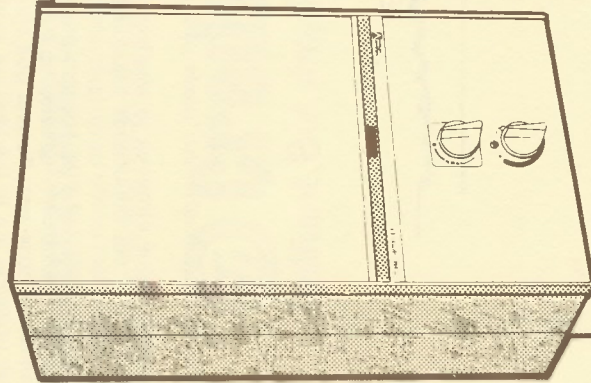


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CONFERENCE SPEAKERS

GEOFFREY E.T. GRANTER MA, FIDHE.
Managing Director of Harp Heating Ltd. and Chairman of the United Heating Services Group. Read History at Cambridge but being attracted toward engineering and technical subjects joined Thomas Potterton Ltd. as graduate trainee working for two years in Sales and Marketing department. Commenced Harp Heating in 1964 and has steadily expanded company interests to a wide range of environmental engineering. Past Chairman of the Home Heating Group of the Heating and Ventilating Contractors Association.

DAVID SALES MIDHE, MIE, MIP, AMInstR, AMASHRAE
Principal of David Sales Associates, Consulting Engineers, Croydon. Commenced in the industry with DES Ltd and after three years training moved to Humphreys and Glasgow Ltd. A short period with Denco Miller Ltd on Air Conditioning in 1977 was followed by an appointment with the PSA-DOE as Leading Draughtsman on RAF and MOD design projects. In 1980 joined the Buro Happold Consultancy in Bath where he worked enthusiastically under Dr. Croome and Prof. Happold both of the School of Architecture and Building Engineering. Through these facilities his theory on Microwave Space Heating was further developed into a 'first Concept' innovation paper, published in the Autumn of 1983. Elected to the CIBS Executive Council in 1976-1977 and holds the former IHVE Graduates Diploma for written work on energy conservation. Author of various technical papers and on the Consultancy Group list of the IDHE and the IOP. A Member of the UK section international Solar Energy Society.

PHILLIP T.J. SHANNON S.Eng, FInstSSM, MBIM, MIDHE.
Originally trained in the merchant banking field, followed by a highly successful career in the oil industry which encouraged interest in heating and provided an invaluable understanding and qualifications for dealing with the problems of today. A visiting lecturer to Vauxhall College of Building and operates own commercial and technical consultancy in heating and environmental services.

CONFERENCE SPEAKERS

BRYAN S. CHENEY BSc, CEng, MICHemE

Originally trained as a chemical engineer and worked for nine years in research and development in the chemical industry prior to joining British Gas at Watson House in 1969. From then until 1975 he put to good use his pilot plant experience as Section Leader of a section developing central heating systems, prior to moving to research and development on flues in 1976.

As Flues Section Leader, from 1976 to 1983 worked on a wide range of problems, including development of flue systems for new housing appliances and some work on commercial flues. In present post as Group Leader, Gas Characteristics and Flues, still retains an interest in flues although this no longer includes development of novel systems.

MARTIN SEARLE BSc, PhD

Martin Searle carried out a student apprenticeship with Rolls Royce Eng. (Bristol) and obtained an Honours Degree in Mechanical Engineering from Bath University.

After working for a short period in the Mathematical Services Division of Rolls Royce, he went back to Bath University to carry out research in the field of oil hydraulic systems, obtaining a PhD in 1973.

On completing his PhD he took up a lecturing post at the Polytechnic of Central London, where he carried out research into the control of vapour compression heat pump systems until he joined Watson House in 1980. After initially taking charge of the section working on domestic heat pumps, he is now in charge of the group working on a range of advanced heating appliances, including condensing boilers.

FRED HALL MA, MIM

Sales Director of Baxi Heating. Prior to joining Baxi as General Sales Manager in the early 1960's was Field Sales Manager and Sales Training Manager with Hoover Ltd. Has been Sales Director of Baxi since early 1970's and during 21 years with the company has been associated with the development of a wide range of domestic gas heating equipment, boilers, wall heaters and gas fires which in a relatively short period have made Baxi one of the largest gas heating manufacturers.

Chairman of the Gas Central Heating Group and the Gas Wall Heater Manufacturers Association.

NEVILLE JOHN WINNETT B.Sc.

Chairman and Managing Director TI Creda Ltd and TI Jackson Limited. Began in the electrical industry with GEC making heating elements, then designing domestic appliances and became head of the Appliance Design Centre, then Production Director. Joined Creda in 1965 as Production Director, became Managing Director in 1971. Currently Chairman of Trade Association AMDEA and member of the Electrical Engineering NEDC.

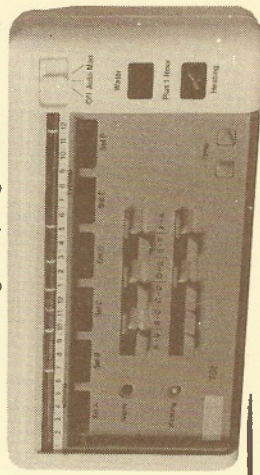
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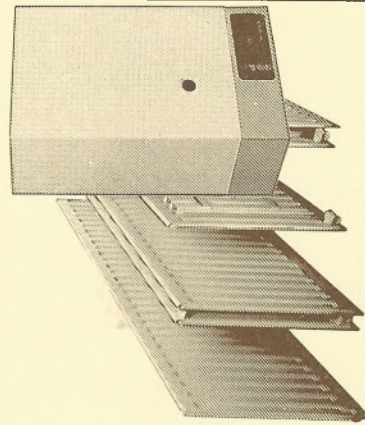
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CONFERENCE PROGRAMME

CONFERENCE CHAIRMAN : GEOFFREY E.T. GRANTER MA,FIDHE

MORNING

- 9.15 **DELEGATES ASSEMBLE** - Coffee will be served
- 9.55 **OPENING ADDRESS BY CONFERENCE CHAIRMAN**
GEOFFREY GRANTER MA,FIDHE will set the scene for the day.
- 10.10 **MICROWAVE HEATING FOR ENVIRONMENTAL COMFORT**
DAVID C. SALES BSc(Eng),MIDHE,MIE,MIP,AMInstR,AMASHRAE
An analysis of the speaker's comprehensive investigation into the real potential of microwave radiant energy as a low energy alternative to conventional thermal comfort systems.
- 10.50 **QUESTIONS**
- 11.00 **UNDERFLOOR HEATING SYSTEMS**
PHILLIP T.J. SHANNON FIDHE S.Eng, FlntSMM,MBIM,MIP
Widely used at one period but then somewhat discredited through poor engineering and materials, underfloor heating systems are now returning to popularity. Our speaker looks at the technical & commercial aspects of this form of comfort heating.
- 11.30 **QUESTIONS**
- 11.40 **APPLIANCE FLUING**
BRIAN CHENEY BSc,C.Eng,MICheM
As probably the least understood - and thereby the most neglected part of an installation the appliance flue is nonetheless of premier importance. Our speaker will prove that, far from being a magic art, disposal of combustion products is a science which requires calculation, observation and common sense.
- 12.10 **QUESTIONS**
- 1.55 **DELEGATES REASSEMBLE**

AFTERNOON

- 2.00 **PRESENTATION OF WARRANT OF CORPORATE MEMBERSHIP**
- 2.10 **CONDENSING BOILERS**
MARTIN SEARLE BSc,PhD.
New to the U.K. but popular on the Continent, the condensing boiler can be a highly economic investment - if applied and used correctly. Our speaker, who is responsible for all the work carried out by Watson House on these units will discuss design, efficiency, cost and applications.
- 2.40 **QUESTIONS**
- 2.50 **CHAIRMAN'S INTRODUCTION TO THE SYMPOSIUM**
LOW ENERGY HEATING SYSTEMS - GAS OR ELECTRICITY ?
- 2.55 **FRED HALL BA,MIM - SALES DIRECTOR OF BAXI HEATING AND CHAIRMAN OF THE GAS CENTRAL HEATING GROUP & THE GAS WALL HEATER MANUFACTURERS ASSOCIATION**
Will advance powerful and persuasive argument for 'Wonderfuel' Gas
- 3.45 **QUESTION SESSION AND OPEN FORUM**
The speakers form a panel to answer questions and exchange views with delegates. Delegates are invited to send in written questions and also speak from the floor. A lively session is anticipated.
- 4.20 **CLOSING ADDRESS**
- 4.30 **TEA AND CONVERSATION**
Informal discussion will continue over refreshments.

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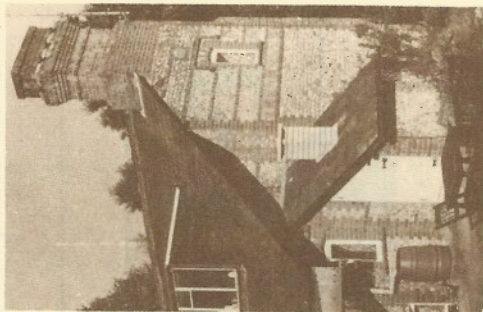
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