

**TRAINING THE
ENGINEERS AND
CRAFTSMEN**



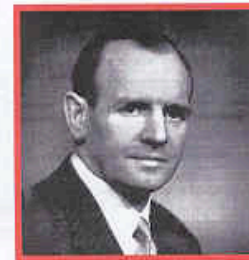
*1956 HVCA student apprentices at the National College Hostel
Ingall House, Dulwich Wood Park, London*

1955-1979

In the 1950s, small-bore domestic heating systems using gas or oil fuel replaced the traditional gravity circulation systems with their coal-fired boilers. Air conditioning became increasingly used for industrial processes and products, notably in textile and confectionery manufacture. The 1960s saw the first wide-scale use of comfort air conditioning in the UK, principally in high-rise office blocks, most of which were of lightweight curtain wall construction with relatively large areas of glazing. Many of these new offices were in city centre areas, subject to high levels of traffic noise and pollution; ventilation by opening windows was impracticable. High velocity all-air systems, such as dual-duct, gave way to water-air induction systems. A number of HVCA member firms started working abroad, principally in the Middle East. There was a growing trend to multiservice working and some well-known names merged with electrical contractors, for example: in 1964 Arthur Scull (founded 1881) with Drake & Gorham (1886); in 1969 Haden (1816) joined with Troughton & Young. In 1973, Crown House was formed from Z D Berry (1810), Richard Crittall (1884), W J Furse (1893) and F H Wheeler (1913). By the end of the decade, variable air volume (VAV) air conditioning was widely adopted and centralised control and monitoring systems were coming into use. Many HVCA member firms widened their capabilities to offer services such as fire protection, instrumentation and maintenance. The 1970s saw a marked increase in the size and complexity of building engineering services projects, particularly in hospital and hotels, and the introduction of heat recovery and total energy schemes. Overseas work assumed increasing importance with firms working in the Middle East, in Asia and in Africa. Throughout this period the HVCA responded to the needs of the membership. The Home Heating Group was founded in 1964 and the industry was changed when the HVCA Double Guarantee scheme was introduced. The Refrigeration and Unit Air Conditioning Group was set up in 1971 to handle this fast growing specialist market. The Ductwork Group, founded in 1946, produced many ductwork construction specifications, culminating in 1977 in the then most valuable to date, DW/141.



*John W L Beaven
President HVCA 1958-59
(Beaven & Sons)*



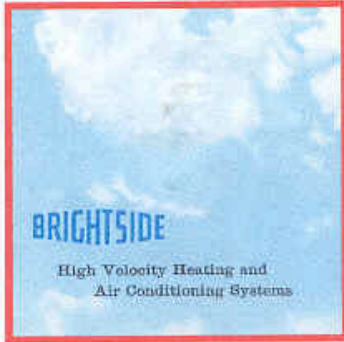
*W Roy Cox
President HVCA 1960-61
(Richard Crittall)*



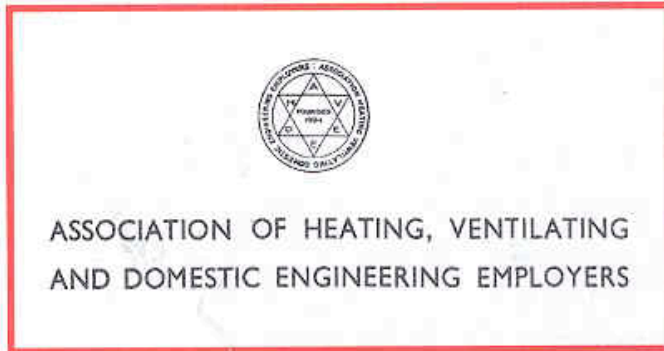
*Sir Alan Pullinger
President HVCA 1967-68
(G N Haden & Sons)*



*J Michael Cooling OBE
President HVCA 1969-70
(J Jeffreys)*



1961 Brightside Heating & Engineering



1958 Heading of the Report of the AHVDEE Council



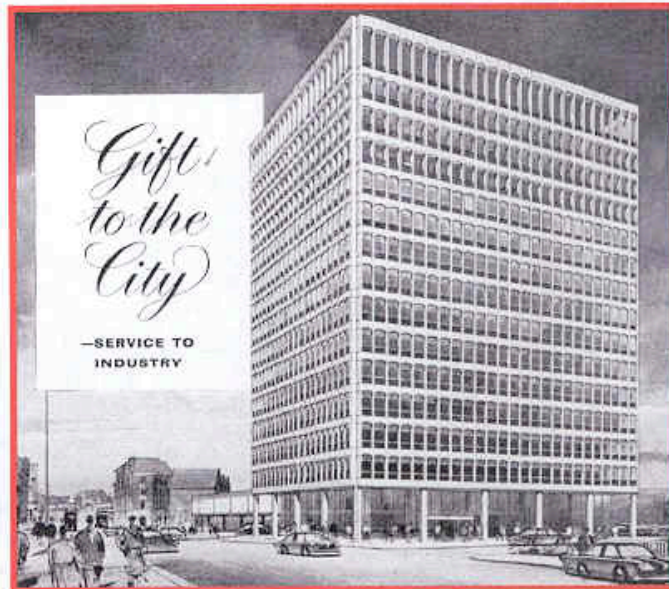
1962 CIS, Manchester
(Air conditioning, Carrier Engineering)



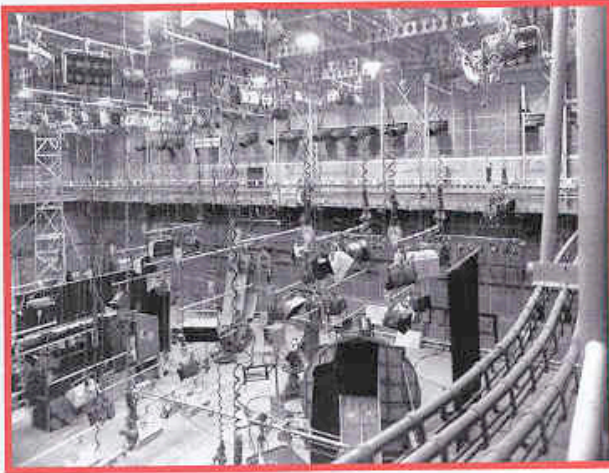
1960 Headquarters of Arthur Scull & Son, Bedminster, Bristol



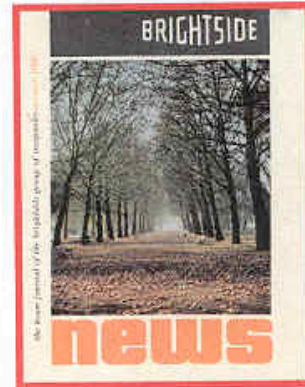
1964 Z D Berry raises its profile



1962 E S & A Robinson, Bristol
(Air conditioning by G N Haden & Sons)



*1960 BBC TV Centre, White City, London
(Air conditioning by Carrier Engineering)*



1966 Brightside newsletter



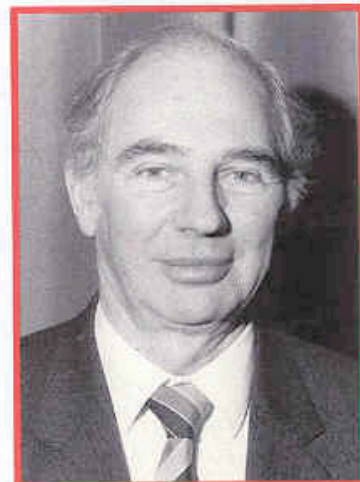
*1962 Millbank Tower, London
(Air conditioning by Ellis Mechanical)*



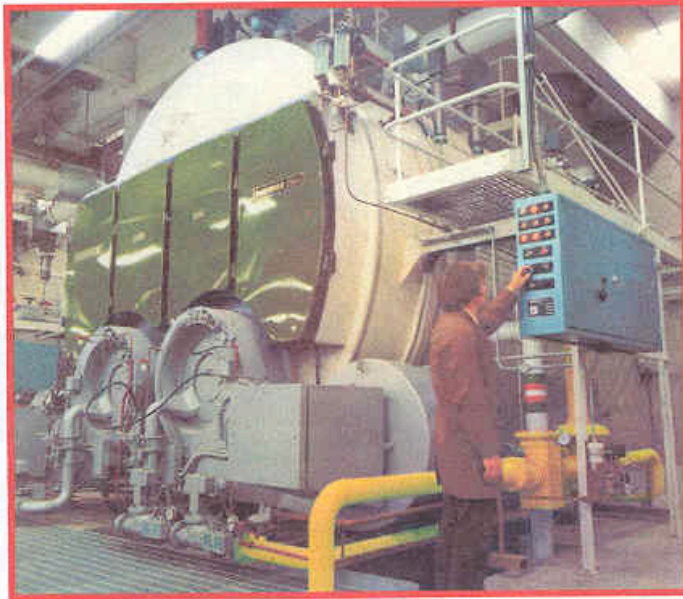
*1967 BP Moorfields, London
(Air conditioning by Brightside)*



*1962 Shell Centre, South Bank, London
(Air conditioning by chilled radiant ceilings, G N Haden & Sons)*



*Geoffrey Cutting MBE
Director HVCA 1961-89*



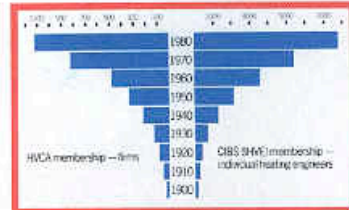
1975 W D & H O Wills, Hartcliffe, Bristol (Drake & Scull)



Alfred G Manly
President HVCA 1978-79
(A G Manly)



1979 75th Anniversary logo
By now ESCA House staff totalled 40



The HVCA had 177 Members in 1929,
328 by 1954 and 1074 in 1979

Over a century of achievement...

With 105 years of experience and expertise, Henry Hargreaves & Sons Ltd are today the acknowledged leader of the ductwork industry and can offer the most comprehensive manufacturing facilities in the United Kingdom.

A member of the Air Handling & Plastics Division of the Senior Engineering Group Limited (Segl), Hargreaves have been responsible for the supply, delivery and erection of ductwork for most of the principal mechanical service contractors in the UK and have provided the air conditioning plant for many major projects.

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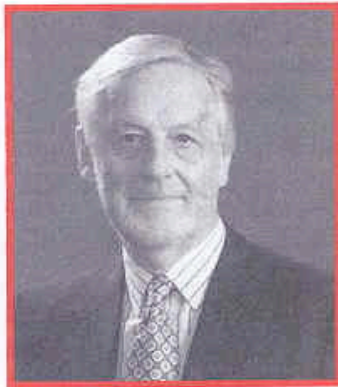
1977 Henry Hargreaves & Sons celebrates 105 years of achievement



1979 HVCA Meeting of the Council with Past Presidents



1979 HVCA 75th Anniversary book
The London Fitter's hourly rate rose from
3s/11d in 1954 to 185p in 1979



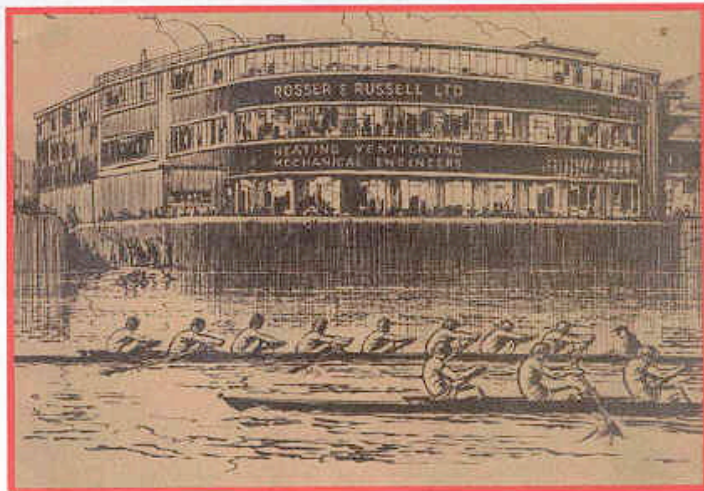
*Peter How
President HVCA 1975-76
(How Group)*



1967 Drawing office of Drake & Scull, Highgate, London



*1970s Fire protection
(How Group)*



1974 Headquarters of Rosser & Russell, Hammersmith, London

This is our history

J. D. Barry & Sons Ltd — Founded 1871
 Richard Clark & Co Ltd — Founded 1888
 W. F. Fearn & Co Ltd — Founded 1895
 P. H. Wheeler & Co Ltd — Founded 1913

These four companies, who each had a long and successful tradition of service to the building industry, joined forces over the last decade to form

Crown House Engineering Ltd

which continues to provide the same service of expertise and craftsmanship in the fields of electrical and mechanical building services at home and overseas from the following offices

Head Office
 17 Lambourne Road, Gidea, L20 2JL, 01-494 410

London Offices			
Admiral House	Claydon	Hampton	Old Bailey
Bank	Edgware	Highgate	Regent
Beaufort	Enfield	Highgate Park	St Pauls
Chancery	Enfield	Highgate	St Pauls
Clarendon	Enfield	Highgate	St Pauls

Overseas Offices
 Glasgow, 01-494 410



1977 Crown House advertisement

HVCA brochures from the 1970s