

BRIEF CURRICULUM VITAE AND BACKGROUND

As at 19-02-2020

Name: - David Harper.
Date of birth: - 20-09-1942.
Place of birth: - Birmingham.
Nationality: - English. U.K.
Language spoken: - English U.K.

Academic Qualification.

H.N.D. Electrical.
City and Guilds Finals Electrical.

Professional Qualifications.

Eng.Tech-FIHEEM- FWMSoc -MCIPHE – MIET- HFSOPHE
Number of years' experience: - 50 plus

Overall Experience.

Qualifications:

H.N.D. Electrical.
C&G Final Electrical.
Eng.Tech Engineering Technician.
FIHEEM Institute of Healthcare Engineering and Estate Management.
FWMSoc Fellow of the Water Management Society.
MCIPHE Member of the Charter Institute of Plumbing and Heating Engineers.
MIET Member of the Institution of Engineering and Technology.
HFSOPHE Honourer Fellow of The Society of Public Health Engineers.

Other Accolades

Represented the UK and Lectured at the World Plumbing Conference in Melbourne Australia and New Zealand 2019.
Inducted into The Worshipful Company of Plumbers 2018.
Awarded a Freeman of the City of London 2017.
An Achievement Award for services at Eastwood Park NHS Training Centre of 22 years 2017.
Registered as an Authorising Engineer (Water) by IHEEM 2016.
Lifetime Achievement Award By the H&V Combating Legionella Industrial Conference 2016.
Awarded a Fellow of IHEEM 2015.
Awarded the Honorary Fellowship of the Society of Public Health Engineers which is part of CIBSE 2014.
Lifetime Achievement Award presented by IHEEM 2012.
Institute of Engineering Technology (MIET) Gold Badge Award for 50 years' service to the Industry 2012.
Chartered Institute of Plumbing and Heating Engineering (MCIPHE) Gold Badge Award 1999.
P&O Cruise, an Award for Services to the Cruise Ship Industry 1987.

Northcroft Silver Medal Award by IHEEM 1984.
South Atlantic Medal for the Falkland Island Conflict 1982.
The Portuguese Award Medal for Services to their Tourist Industry 1981.

Background

Served a 5 years as an Electrical Apprentice and attending college.
Police Officer.
Worked at the U.K.A.E.A., Culham and Harwell.
Worked for the M.P.B.W., now the B.A.A., and Heathrow Airport.
Joined the N.H.S., Hospital Service as a Hospital Engineer.
Public Health Laboratory (C.D.S.C.,) now the PHE Public Health England.
The Winton Group.
Launched own Independent Company.
Consultant to the W.T.I. now renamed "Develop" training on Legionnaires
Disease and other areas of concern for the environment,
Training Consultant to the N.H.S. Eastwood Park, Falfield.
Consultant to Vectair Environmental Ltd.
Consultant to Urban Environments Ltd.
And others.

Experienced Hospital Engineer in the N.H.S. management of up to 120
people in a large D.G.H. and small cottage hospitals, dealing with the whole
range of "works matters" including many works projects.

Joined the P.H.L.S. now Public Health England after the outbreak of
Legionnaires Disease at Kingston District General Hospital.

Carrying out a major survey and hazard assessments now known as a risk
assessment of all types of buildings in the U.K. and abroad with regards to
outbreaks of water borne diseases including Legionella.

Also been hospitalised with Legionnaire's Disease.

Part of the investigating teams of the P.H.E and the H.S.E. in the U.K. at the
B.B.C. Stafford Hospital. Glasgow, London, Scotland, North and Southern
Ireland, Portugal, Spain, Australia, on board ships, Royal Navy, Merchant
Navy, Cruise Liners, Submarines, gas and oil platforms, and carried out
investigations in many other country's thought-out the world.

Given many lectures, seminars, workshops, keynote addresses, conferences,
training course's etc.

Attended Government and Court Hearings as an Expert Witness.

Independent Consultant to several Blue-Chip Companies.

In 1992 was invited to lecture on courses for the then Water Training
International (WTI), now Develop.

In 1997 was invited to lecture on courses for the National Health Service (NHS) at Eastwood Park Falfield.

Lectures in Universities up to Ph.D. level.

Registered as an Expert Witness by the legal profession.

Published many articles about Legionella and other water borne disease.

Appeared on television and radio in the U.K. and aboard.

September 2019 represented the UK at the World Plumbing Conference in Melbourne Australia.

Brief details of career.

Served his 5-year apprenticeship at the Shell Refinery and after completing his apprenticeship, he then became a Police Officer when he got pensioned out, he then worked for the United Kingdom Atomic Energy Authority at Culham and Harwell, Oxfordshire.

Joined the Ministry of Buildings and Public Works (MPBW) now the British Airports Authority, at London Heathrow as the South Side Station Electrical Engineer.

From this appointment, joined the National Health Services as a Superintendent Engineer at Ashford Hospital, Middlesex.

Following on from this, was asked to look after several Hospitals in the Kingston upon Thames, Surrey area; this include not only looking after a major District General Hospital but other small cottage hospitals and health care facilities within the area. Services ranged from steam to drain cleaning, and transport through to sophisticated engineering equipment in operating theatres etc.

In July 1979 there was an outbreak of Legionnaires Disease (little known about at this time in the U.K.) at Kingston District General Hospital Surrey.

Unfortunately, there were three deaths in the first outbreak in 1979.

Has investigated the cause and the eradication of this outbreak of Legionnaires Disease.

The source was successfully identified and found to be the cooling tower.

The cooling tower was removed, and an air coolers were installed in its place.

However, the following year January 1980 another outbreak of Legionnaires Disease hit Kingston Hospital, and this was identified to the domestic hot

water calorifier system within the main surgical block, the first in the world, and this was successfully eradicated.

While this was being carried out, the Kingston Controls were evolved which were the forerunners of the now A.C.o.P. L8 document, which are now used as a standard by the building users in hospitals and other complexes worldwide.

These controls are now being revamped by other but are still basically the same.

While carrying out the work, he contracted the disease himself and spent a week and a half in the intensive care unit of his own Hospital.

Subsequently, after nine months, he recovered fully and return to work.

Due to the Government concern about the potential size of the problem within the U.K., which was unknown at the time, he was seconded to the Public Health Laboratory Services in the Communicable Disease Surveillance Centre (CDSC) now PHE, to carry out a major site investigation to take water sample and carry out what was then known as a hazard assessment but now known as a risk assessment and to inspect the water systems within a range of building from office building to oil platforms.

As a member of the then Communicable Disease Surveillance Centre, he was subsequently involved in solving outbreaks of Legionnaires Disease, including almost every major outbreak, which has occurred to date, not only in the U.K. but also all over the world.

Also been involved in investigations, not only connected with Legionnaires Disease, but also Sick Building Syndrome and, in the very early days, the implications of "Aids" in the Engineering field.

Is now known as the leading authority on Legionnaires Disease, not only in the U.K. but abroad in engineering terms and is called upon at all times to help out on investigations and to give advice to people who are carrying out investigation in various parts of the world.

Has written many papers, which have been published in many well-known and respected journals, not only in the medical field but also in the legal field.

Has appeared on television and has been on radio on numerous occasions, not only in the UK but all over the world.

Is also registered as an Expert Witness for the legal profession and provides training on the subject up to PhD level.

Has given many talks, lectures, workshops, keynote speeches, to all disciplines throughout the U.K. and all over the world.