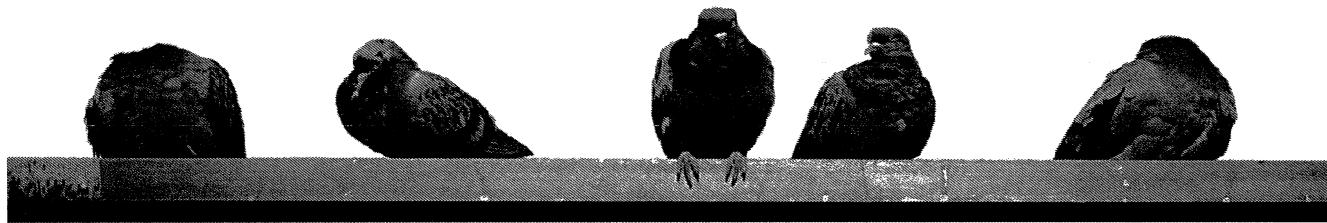


# **Network for Clean Air**

**Digital, Analogue & Active Approaches to  
Better Air Quality (incl. Air Quality Egg)**



# **Digital, Analogue & Active Approaches to Better Air Quality**

## **Part 1 : Analogue technologies**

- **Introduction**

Andrew Wood, Network for Clean Air

- **Active Approaches - Putney Air Pollution Campaign**

Jonathan Callaway, Putney Society

- **Questions & Answers/ Discussion**

## **Part 2 : Digital technologies**

- **Air Quality Egg Project** Andrew Wood, Network for Clean Air

- **Questions & Answers/ Discussion**

# Analogue technologies

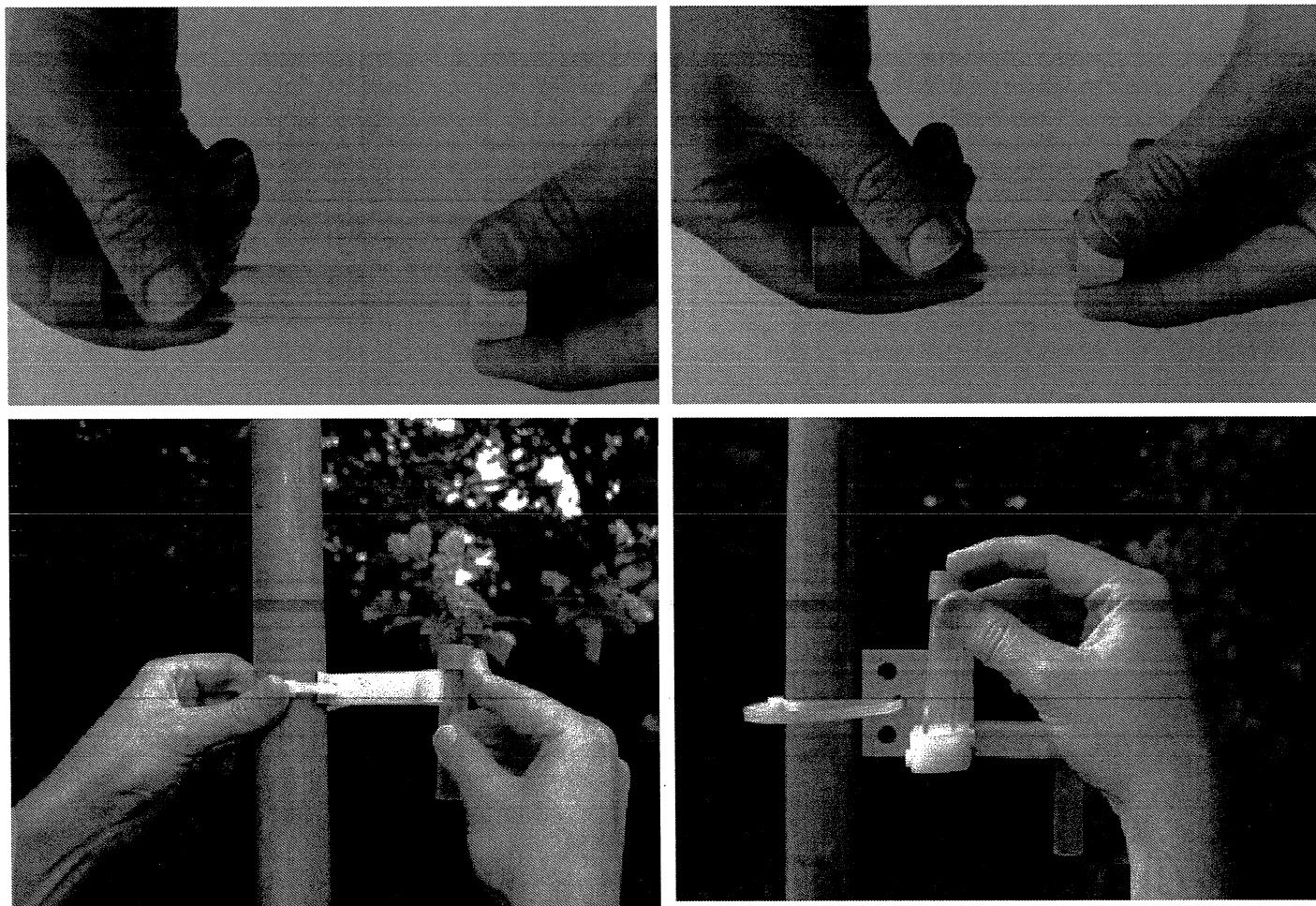
## Introduction



*“Diffusion tubes are passive samplers: they consist of small plastic tubes containing a chemical reagent to absorb the pollutant to be measured directly from the air”*

Page 2 of “Diffusion Tubes for Ambient NO<sub>2</sub> Monitoring: Practical Guidance for Laboratories and Users”, Defra & the Devolved Administrations (Issue 1a, Feb 2008)

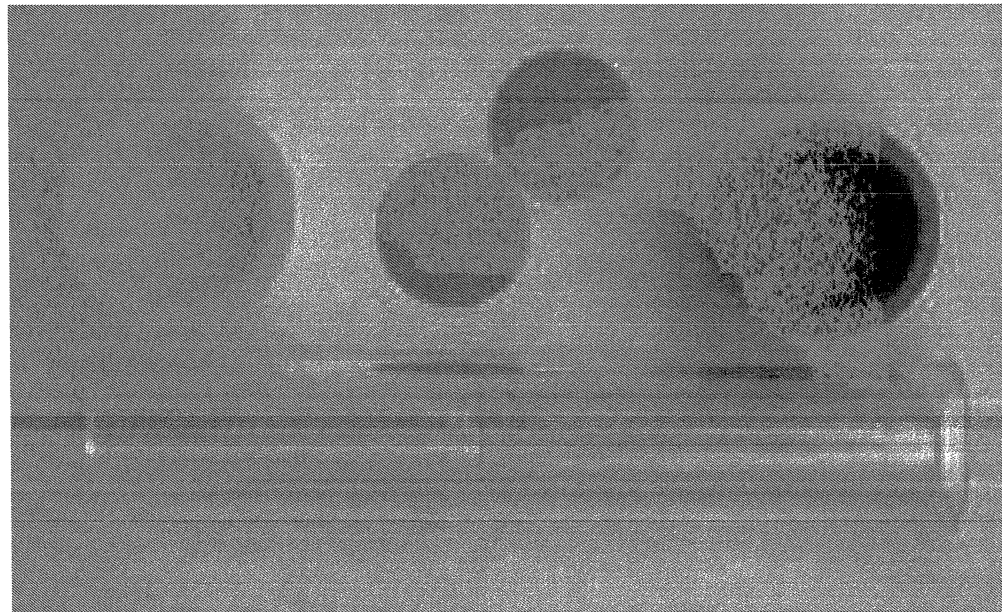
# Analogue technologies



**Mounting Palmes-type Gas Diffusion Tube**

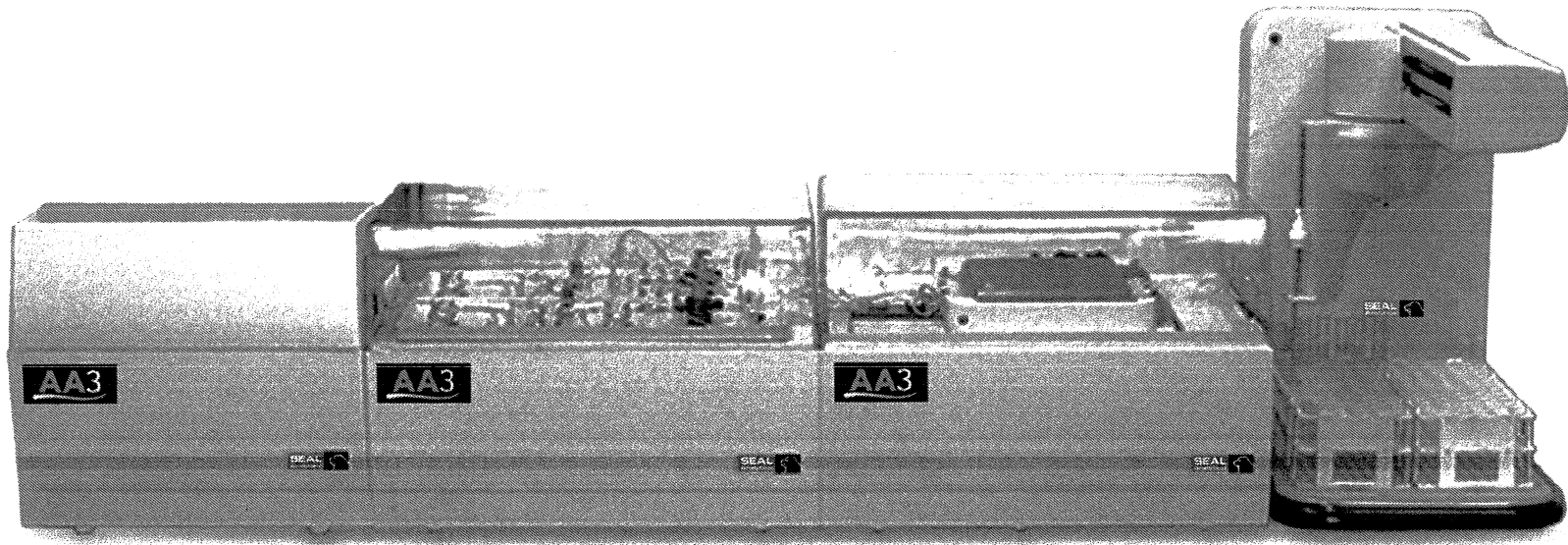
# Analogue technologies

## Palmer Gas Diffusion Tubes (NO<sub>2</sub>) Components



Components of a diffusion tube:  
an acrylic tube, two stainless steel grids &  
two caps (and triethanolamine - TEA)

# Analogue technologies



**Colorimetric Analysis (Gas Diffusion Tubes)  
Segmented Flow Analyzer**

# Analogue technologies

## Active approaches

PUTNEY AIR POLLUTION CAMPAIGN

Jonathan Callaway, Putney Society



# **Analogue technologies**

**Questions & Answers/ Discussion**