

PATS MECOR

(Methods in Epidemiologic, Clinical & Operations Research)

~ Measuring the Burden of Lung Disease ~

Pan African Thoracic Society/American Thoracic Society

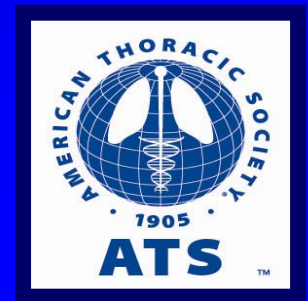
University of Malawi College of Medicine

Liverpool School of Tropical Medicine

Supported by a grant from the Nuffield Foundation



Blantyre, Malawi
21-25 September 2009



PATS MECOR—

Measuring the Burden of Lung Disease in Africa



BLANTYRE

Arriving in Blantyre



University of Malawi, College of Medicine Malaria Alert Center



The “MAC”

Arriving at
the “MAC”

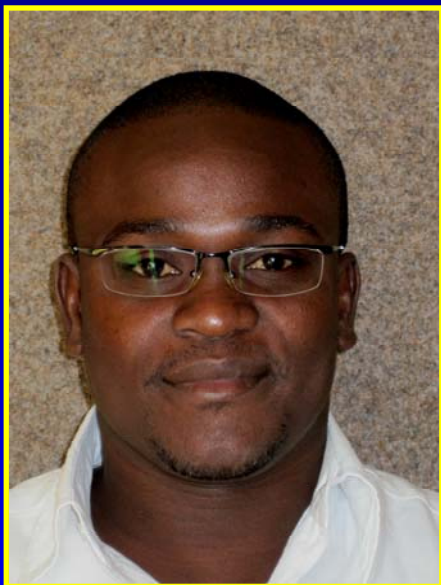


Mosquito control in the “MAC”

The Students—Level 1



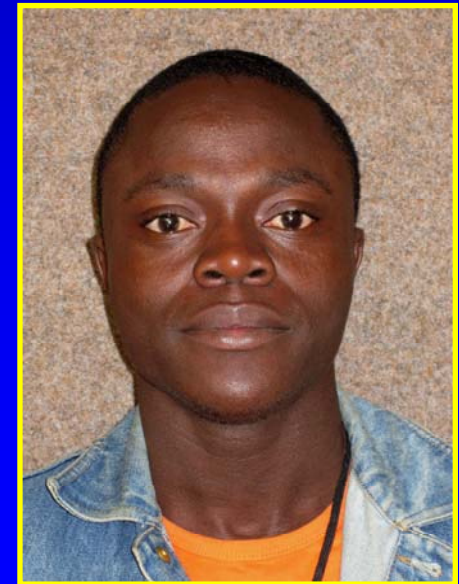
The Students—Level 1 cont.



The Students—Level 1 cont.



The Students—Level 1 cont.



The Students—Level 2



The Students—Level 2 cont.



The Students—Level 2 cont.



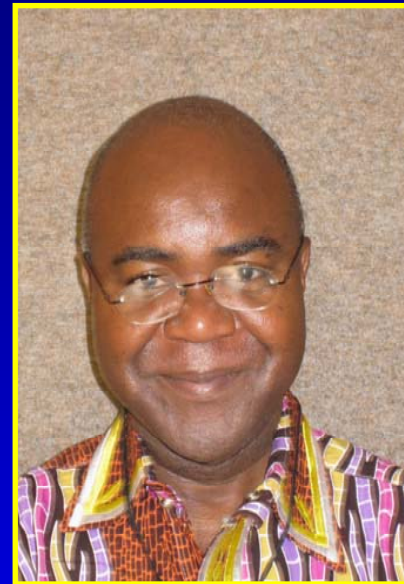
The Students—Level 2 cont.



The Students—Level 3



The Students—Level 3 cont.



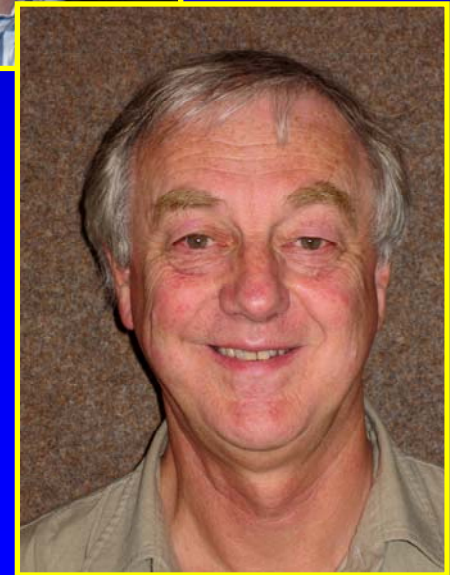
The Faculty--PATS

**“Our Fearless
Leader”**

**Stephen “Flash” Gordon, MD
Director, PATS MECOR**



The Faculty--PATS



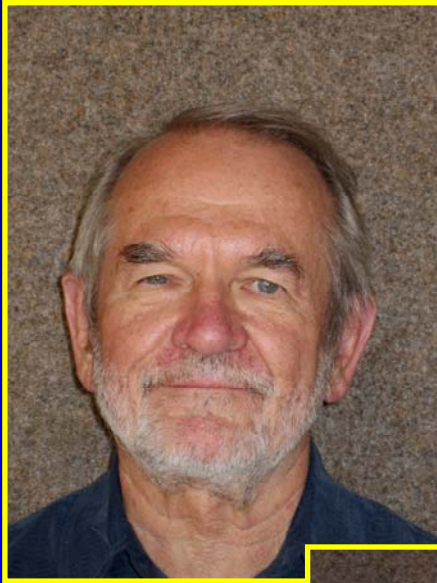
The Faculty--ATS

**“ Our Lady of
Wisdom ”**

**A. Sonia Buist, MD
Director, MECOR Program**



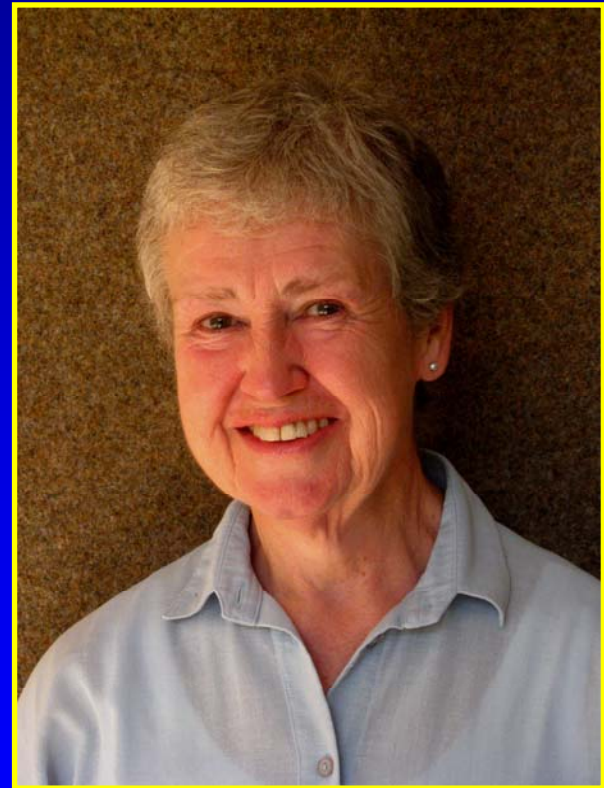
The Faculty--ATS



The PATS MECOR Staff

**“ Our Lady of
Fix It!”**

**Sandra Mooney OBE FFOM
Course Facilitator**



The PATS MECOR Staff

**“ Our Lady of
Fix It!—in Training”**

**Jane Ardrey,
PATS Administrator**



The PATS MECOR Staff

“The Lady from ATS”

Fran Du Melle
Sr. Director
International Activities



The Staff & Assistants at the "MAC"



Hard at Work: The Discussions In Classrooms & Hallways



Hard at Work: Small Groups



Hard at Work: Small Groups



What is the Question?

Level 1 Studies

- Are urban vs. rural environments associated with higher prevalence of asthma in children? Asthma prevalence in urban vs. rural settings in four African countries: Botswana, Kenya, Namibia, and Nigeria.
- Do HIV infected patients with high CD4 counts differ in their sputum conversion rate from those with a low CD4 count?
- What is the yield and cost effectiveness of passive vs. active TB case finding?

What is the Question?

Level 2 Studies

- What is the influence of chest x-ray findings on the decision to treat with antibiotics in children with wheezing, meeting the WHO definition of non-severe pneumonia?
- What is the prevalence of cooking with biomass in patients with lung disease in Cotonou, Benin?
- What is the association of exacerbation on lean body mass in patients with Chronic Obstructive Pulmonary Disease?
- What is the level of control and quality of life in school aged children with asthma in Enugu, North East Nigeria?
- What is the knowledge, attitude, and practice of sleep medicine among community based academic pediatricians in Lagos, Nigeria?

What is the Question?

Level 2 Studies

- What is the prevalence of asthma, allergic rhinitis, and eczema among university students in Maiduquri, Borno State, Nigeria?
- What is the knowledge, attitude, and practice of asthma among care givers of asthmatic children in Lusaka, Zambia?
- Is there a correlation between environmental tobacco smoke and low respiratory tract infection in children with human adenovirus related bronchiectasis?
- What is the pulmonary function among petrol pump workers in Ile-Ife, Nigeria?
- What are the pneumonia-related perceptions and core practices of women with children under five years in a rural community, Oyo State, Nigeria?
- What are the determinants of poor outcomes among under five children with severe pneumonia?

What is the Question?

Level 3 Studies

- What is the delay in TB diagnosis in Patakou, Benin?
- What is the prevalence and clinical presentation of TB and HIV co-infection among Nigerian children?
- What is the knowledge, attitude, and practice among private practitioners of TB care?
- What is the HIV seropositivity and TB mortality in Jos, North Central Nigeria?

What is the Question?

Level 3 Studies

- What is the knowledge, attitude and practice of infectious disease surveillance and notification among doctors in a tertiary institution in Sagamu, Nigeria?
- What is the epidemiological and clinical profile of children attending the asthma clinic at the University Teaching Hospital in Lusaka, Zambia?
- What is the cost associated with treatment of childhood persistent asthma without inhaled corticosteroids in Nairobi, Kenya?
- What are the patient characteristics and treatment outcomes for TB patients in a private health care setting?

Research in the Field: A site visit to Chikawa for a reality check



Research in the Field: A site visit to Chikawa for a reality check



The Course "Welcome"



PATS MECOR 2009 Writing Prize



Maxwell Akanbi, MD

**The burden of respiratory disease
in Nigeria: A Review**

(African Journal of Respiratory Medicine, March 2009)



Course Presentations





Course Presentations



◆ Course Presentations ◆



◆ Certificates & Graduation ◆



Level 1

◆ Certificates & Graduation ◆



◆ Certificates & Graduation ◆



◆ Certificates & Graduation ◆



◆ Certificates & Graduation ◆



Level 2

◆ Certificates & Graduation ◆



◆ Certificates & Graduation ◆



◆ Certificates & Graduation ◆



◆ Certificates & Graduation ◆



Level 3

◆ Certificates & Graduation ◆



PATS MECOR Celebration (s)



Celebrating the contributions of Sandy Mooney to PATS MECOR

“If Sandy couldn’t fix it, it couldn’t be fixed!”

PATS MECOR Celebration (s)



PATS MECOR



PATS MECOR 2009



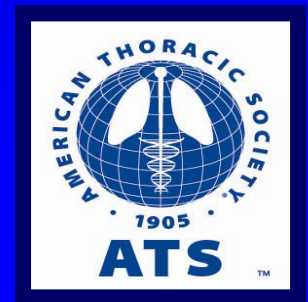
Improving lung health in Africa through development of local and regional lung disease research capacity

Zikomo Kwambiri!

See you next year for Levels 1, 2 & 3!



Pan African Thoracic Society
American Thoracic Society



Acknowledgements

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- **Additional support was provided by:**
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 - **Malawi-Liverpool-Wellcome Programme of Clinical Tropical Research**
 - **American Thoracic Society**
 - **Francophone Respiratory Societies**

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