



tropical

News from the
Liverpool School
of Tropical Medicine

Expansion and Discovery

Building the Centre for
Tropical and Infectious
Diseases

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August 2006



Director's Update

Professor Janet Hemingway

The Liverpool School of Tropical Medicine continues to change at a rapid pace. Construction of the School's new Centre for Tropical and Infectious Diseases (CTID) is well underway. The old Pilkington wing and the derelict pub were demolished at the end of the year and the building is beginning to take shape. To brighten up the area, over the two years of construction, Liverpool Community College students provided artwork for the hoardings with a tropical theme. The new building is well on track at present for a December 2007 completion date and will allow the School to extend its range of activities with industry and others, aimed at improving health in the tropics.

Numbers of staff within the School continue to expand rapidly. With over £90 million of research grants and contracts secured, the School is in an excellent financial position. New staff have increased pressure on current space to the extent that we have had to lease a new administrative building for two years until the new building is ready. We have the administrative staff in place for the US\$ 50million Bill & Melinda Gates Foundation - funded Innovative Vector Control Consortium (IVCC). The European Union drug development programme is underway and a number of collaborative projects with industry are being negotiated.

The new Director of the Wellcome Trust Tropical Centre (a joint venture with The University of Liverpool) has been appointed. Professor Robert Heyderman will join us later this year from Bristol and will spend several months getting to know staff in Liverpool before he and his family move to Malawi.

Congratulations are also due to Dave Haran and his team who secured a new Department for International

Development programme on HIV treatment and care with overseas collaborations. Similarly Steve Gordon our new Clinical Senior Lecturer has secured a major Wellcome Trust grant to expand the School's pulmonary research programme.

Our teaching portfolio is also seeing major changes. A new modular structure is under development for our Masters programmes that will increase student choice and enhance the learning experience for students. A new collaborative agreement has also been signed with Saudi Arabia for joint development of new Masters programmes overseas.

It is a tribute to all the staff of the School that these major changes have been achieved, while still retaining the collaborative, open and welcome face of the School. We look forward to increasing interactions with all our partners and benefactors over the coming year.

Royal Visit Highlights LSTM's Special Bond With Thailand



HRH Crown Princess Sirindhorn meets Thai students studying at LSTM

Long-standing and successful connections between LSTM and Thailand were high on the agenda during a visit in March 2006 by HRH Crown Princess Sirindhorn of Thailand.

The special relationship dates back to 1960 when, following an exchange of staff and students over several years, Professor Brian Maegraith, the School's Dean, helped found the Faculty of Tropical Medicine in Mahidol University, Bangkok with Professor Chamlong Harinasuta, a former student at the School, as its first Dean. Professor Maegraith, Dean of the School from 1946-1975, went on to receive an honorary doctorate from the King of Thailand in recognition of his contribution to the study of tropical medicine in Thailand. Professor Maegraith was also invested with the Order of the White Elephant by the King.

During a series of presentations, Director Professor Janet Hemingway told of her own longstanding links with Thailand and of the many research collaborations existing in areas such as HIV, malaria, dengue fever and snakebite. Professor Hemingway said that Thailand had established itself in Asia as a centre of excellence for training in tropical diseases. Having collaborated with colleagues in Thailand for the best part of the 20th century, the School was looking at how this collaboration could continue for the next one hundred years. The Royal party learned of the links between the unit and Mahidol University

into treatments for snakebite which mainly affects the rural poor, mostly children and agricultural workers. The Venom Research Unit has previously collaborated with the Thai Red Cross in the production of antivenom to treat snake bite. The unit is currently collaborating with the Snake Bite and Venom Research Unit at Chulalongkorn University in Bangkok.

During the tour, the Royal party visited the Hemingway laboratory and the Dagnall Teaching Laboratory for demonstrations on mosquitoes and information covering diseases affecting South East Asia including malaria, Japanese encephalitis and dengue fever.

A highlight of the Royal visit was the moment when two Thai students, currently studying at the School, were presented to HRH Princess Sirindhorn. Parnpen Viriyavejakal, MD, is a third year PhD student in the Molecular and Biochemical Parasitology Group, studying the pathogenesis of malaria. Sant Muangnoicharoen, a lecturer in clinical tropical medicine at Mahidol University, is a PhD student in Clinical Pharmacology.

Two collaborators from Thailand, Ms Kobkan Kanjanopas, Ministry of Health, Thailand and Dr Yuwadee Trongtoki, Mahidol University, were also introduced to the Crown Princess, who thanked staff for their dedication and hospitality.



HRH Crown Princess Sirindhorn receiving a tour of the Hemingway Laboratory



HRH The Princess Royal Attends Vice Presidents' Dinner



Left to right: LSTM Chairman Rosemary Hawley; LSTM President Sir Mark Moody Stuart and LSTM Patron HRH The Princess Royal

The 2005 Vice Presidents' Meeting and Dinner held on 24 October was attended by LSTM Patron HRH The Princess Royal. The annual event to review the progress made by LSTM over the past twelve months was hosted by Sir Mark Moody Stuart, President of LSTM, at the HQ of Anglo American in London. A summary address was given by LSTM Director Professor Janet Hemingway, which examined the dramatic growth of the School in a number of areas. A presentation was given by Professor Bernard Brabin, Professor in Tropical Paediatrics and International Health and Head of the Child and Reproductive Health Group at LSTM, entitled 'Reaching the Millennium Development Goal in Child Health – a realistic expectation?'

EU Grant for Malaria Drugs Quest

Liverpool scientist Professor Steve Ward, Deputy Director of the Liverpool School of Tropical Medicine, has been awarded 17.5 million euros (just over £10m) by the EU Commission to undertake a five year programme of research specifically aimed at discovering and developing new drugs for poor people with malaria in developing countries.

Professor Ward, a world-class tropical pharmacologist, will be the principal investigator in the new project, with LSTM acting as the co-ordinating centre. He said any drug would need to cost less than 10p for a full course in order to be affordable to those who need them most, including over one million children who die of malaria every year in the developing world.

Professor Ward explained: "To get this award is a huge coup for the School and for Liverpool. We will be recruiting a whole cross-discipline team of scientists for this project, from parasitologists to chemists, and will work with partners in Europe. The aim is to bring together as much of the expertise that exists in

Europe as we can to focus on this particular challenge. What we are trying to achieve is a virtual pharmaceutical company with a full breadth of expertise enabling us to take a drug from concept all the way through to the first in-man clinical trials and beyond."



Prof Ward (left) and Dr Paul O'Neill (right)

New RCOG International Office to Improve Women's Health



Focus group discussing women's health needs in Pakistan

The Royal College of Obstetricians and Gynaecologists (RCOG) has set up its new international office with the Liverpool School of Tropical Medicine (LSTM). This will be the centre for their joint international initiative to improve women's health in developing countries. Its overall aim is to draw on the expertise and experience of the RCOG and its global network to make an effective and valued contribution to improving sexual and reproductive healthcare worldwide and in particular to reducing maternal and neonatal mortality and morbidity.

Up to half a million women die each year through pregnancy-related conditions because they do not have access to the most basic health care which women in developed countries take for granted. Through their new international initiative, the partners hope to reduce these horrific figures by working with Ministries of Health and other international organisations in developing countries. With support from Liverpool Associates

in Tropical Health (LATH), LSTM's consultancy arm, the partners aim to improve the quality of antenatal, delivery and postnatal services and help make these increasingly available to poor women worldwide. Their strategies include developing a simple but life-saving manual and course to provide emergency obstetric care in sparsely equipped rural clinics, where one midwife may be struggling alone, and mobilising RCOG members to volunteer expertise in developing countries.

Dr Nynke van den Broek, Senior Clinical Lecturer in Reproductive Health at LSTM and an RCOG Fellow helped set up the partnership. She said: "More than eighty percent of these deaths are caused by conditions which we are very able to prevent or treat: bleeding, obstructed labour, eclampsia, infections and unsafe abortions. We hope our alliance will help to mobilise effort so that we can make a dent in these horrific figures."

Fistula ward in Murtala Mohammed Hospital, Kano, Nigeria



Honorary Fellow of the Royal College of Physicians

Professor David Molyneux, Director of the Lymphatic Filariasis Support Centre, has been elected to an Honorary Fellowship of the Royal College of Physicians. Nominated by Herbert Gilles, former Dean and Professor of Tropical Medicine, David is delighted and greatly honoured, as a "non-medical" parasitologist, to be admitted to the grand echelons of the Royal College.



Global Alliance to Eliminate Lymphatic Filariasis Bi-Annual Meeting



The exotic island of Fiji was the host country for the fourth meeting of the Global Alliance to Eliminate Lymphatic Filariasis (GAELF). Attended by over 200 participants from all over the world, the School's Lymphatic Filariasis Support Centre (LFSC) as Secretariat was key to the

organisation of the very successful meeting. Mr Shigeru Omi, WHO Regional Director for the Western Pacific Region opened the meeting and together with colleagues heard reports of programme successes and challenges.

Professor David Molyneux, Director of the LFSC was appointed Executive Secretary of the Executive Group, the management body of the GAELF at the Business Session of the meeting.

Continued PhD successes

A further two students from the Lymphatic Filariasis Support Centre have successfully completed their PhD studies. Dr. Sammy Njenga's thesis entitled "Lymphatic Filariasis in Malindi District, Kenya: Epidemiology and Impact of Annual Mass Chemotherapy", showed that two rounds of MDA with DEC/albendazole resulted in significant decrease in *W. bancrofti* infection. As a result of his outstanding research Dr. Njenga was awarded a travel grant from the American Society of Tropical Medicine and Hygiene to present his

work at the December Washington meeting.

Dr. Bagrey Ngwira based his studies on the epidemiology and control of lymphatic filariasis and intestinal helminths in the Lower Shire Valley – Chikwawa District in Southern Malawi. Dr. Bagrey demonstrated the major impact drug distribution had on the overall health (particularly anaemia) of the communities. Both Sammy and Bagrey have now returned to their home countries where they are both continuing to work on lymphatic filariasis.



Many species of mosquitoes are responsible for the transmission of lymphatic filariasis

Pictures courtesy of the Global Alliance to Eliminate Lymphatic Filariasis

Addressing the Balance of Burden in AIDS (ABBA)

LSTM's HIV/AIDS Knowledge Programme has successfully been awarded a research contract on the social contexts of HIV/AIDS by the Department for International Development (DfID). In the next five years, Addressing the Balance of Burden in AIDS (ABBA) Research Programme Consortia (RPC), will focus on improving HIV/AIDS policy making and implementation by generating, disseminating and advocating evidence on the social, economic and institutional factors that place the livelihoods of vulnerable and neglected groups at increased threat from HIV.

The new RPC is constituted by a dynamic multidisciplinary team; the

partner institutions are: LSTM – Consortium lead; Health Economics and AIDS Research Division (HEARD), South Africa; Health Research Unit, Ghana; Population Council, New York; Regional AIDS Training Network (RATN), Kenya;

Research on Equity and Community Health (REACH), Malawi.

RPC Director Dave Haran celebrates news of the award with his LSTM Management Office team (left to right) Adele Garvey, Antoinetta Medina Lara and Teresa Jackson





Gudali breed cows used to test the vaccine in Cameroon

Scientists Take a Step Closer to New Treatments for River Blindness

Veterinary scientists from the Liverpool School of Tropical Medicine and the University of Liverpool's Faculty of Veterinary Science have found that some African cattle have natural immunity to a parasite similar to that which causes River Blindness in humans.

These new findings indicate that it may be possible to vaccinate humans against River Blindness. The disease causes blindness in thousands of people in some of the poorest countries in the world, particularly in West and Central Africa.

River Blindness, or Onchocerciasis, is caused by a parasitic worm and leads to severe itching of the skin and lesions of the eye which can result in blindness.

The parasite is spread by black flies which breed in rivers and deposit the larvae of the worm into the person they bite. The disease develops over a long period of time, particularly in young adults, eventually preventing them from working and farming and hence feeding themselves and rearing their families. Professor Sandy Trees, Professor of Veterinary Parasitology at LSTM and Dean of the University's Faculty of Veterinary Science, said: "Onchocerciasis has been the target of major international efforts to control and ultimately eradicate it, but it still presents a huge burden to health in many impoverished countries. To see if a vaccine is feasible for the disease we looked at whether immunity exists naturally and whether it can be induced."

The team investigated immunity in cattle infected with a very closely related worm - *Onchocerca ochengi* - that causes lumps to appear on the animal's skin but does not cause blindness or illness. Examining infected cattle in Cameroon, the team found that some cows naturally develop resistance to *Onchocerca ochengi*.

They also showed that cattle which were normally susceptible to infection could be successfully immunised using a vaccine composed of minute parasite larvae, weakened by a controlled dose of radiation in the laboratory.

After two years of natural exposure to infected black flies, the number of worms in vaccinated cattle was far lower than in unvaccinated animals.

Professor Trees added: "Although the immunisation method that we tested in cattle would not be suitable for human use, this research provides the first proof that immunisation against onchocerciasis is possible and hence it may be feasible to protect humans from the parasite using some form of vaccination."

There is currently no safe drug available to cure the disease fully as treatments only kill the young *Onchocerca volvulus* worms and not the adults. Researchers are now looking to further understand how some cattle develop natural immunity when some do not, which will assist in targeting potential treatments for River Blindness.

The research, funded by the Edna McConnell Clark Foundation, is published in *Proceedings of the National Academy of Sciences of the USA* and can be viewed at www.pnas.org/current.shtml



The larval stage of Onchocerca ochengi used in the vaccine



Expansion & Discovery

Building the new Centre for Tropical and Infectious Diseases



CTID building site July 2006

On a wet March day in 2006, a huge grabber crane rolled on to the site for the new Centre for Tropical and Infectious Diseases (CTID). Watched by a cheery group, led by LSTM Director, Professor Janet Hemingway, and Chairman, Rosemary Hawley, it began the process of demolishing derelict buildings to make way for a centre that will truly make a difference in the fight against a whole range of diseases which still claim too many lives worldwide.

Despite the grey skies, the mood was one of optimism that the centre that had been so tenaciously striven for was finally becoming a reality. The start of the new building, which will be linked by a bridge to the existing building, reflected the School's recent growth. Over the past four years, LSTM has moved from being an institution with an annual turnover of £7 million and 164 staff to one with a turnover of £22 million a year and 250 staff. By July 2006 LSTM had over £90 million of research grants and contracts on its books with major funding partners such as the Gates Foundation and the European Union.

It had become clear, however, that in order to maintain and build on this growth and to fulfil the School's mission to promote improved health, particularly for people in the less developed countries, more research space was

vital. So the School took on the daunting challenge to raise £23 million to develop this new state of the art facility. Thanks to generous support from the North West Development Agency, the European Union, Liverpool City Council, Business Liverpool, The Wolfson Foundation and a large number of private donors, the dream is becoming a reality.

After the project had been put out to European tender and a competitive bidding process, the contract was awarded to Shepherd Construction of York which has already completed major projects in the city. Now work is well underway and construction is scheduled to be completed by the end of 2007.

Challenged to produce something to brighten up the site until then, art students from Liverpool Community College joined in the spirit of the project by producing eye-catching, colourful artwork which decorates the full length of the site's hoardings in Pembroke Place. This bold installation features themes reflecting the School's long history of medical work in the developing world and is proving of great interest to passers-by.

Professor Hemingway with art students from Liverpool Community College





The CTID will be a four-storey state-of-the-art world class facility of laboratories and research space which will reflect LSTM's status as a centre of excellence in international tropical health. With research led by Professor Hemingway, herself a leading entomologist, and Deputy Director, Professor Steve Ward, a tropical pharmacologist, it will house some of the world's most talented scientists in this field. Their efforts will be directed to developing drugs and vaccines for tropical diseases and to finding innovative new ways to fight insects like the malaria-carrying mosquito.

Clinical trials will be carried out in the

centre before treatments are transferred to local bio-manufacturing specialists for commercial production and marketing. The centre will also provide training for biotech graduates and build links with the international pharmaceutical industry.

Professor Hemingway believes that the CTID will put the region at the forefront of research into current and emerging infectious diseases which are threatening world health. She said: "The School is a unique organisation - the only one capable of initiating, validating and trialling new drugs, vaccines and insecticides for current and emerging diseases such as malaria, AIDS, tuberculosis and SARS. It already has an

enviable track record in this area, having recently developed the first new anti-malarial drug for 25 years."

In addition to enhancing the School's international reputation, the CTID will further strengthen Merseyside's reputation as one of the leading international centres for biotechnology and help to create new businesses and a number of highly skilled jobs.

Innovative Vector Control Consortium



The IVCC Team

A major research consortium which will develop new and better ways to control insects which carry malaria and dengue will be one of the leading users of the new facility. The Innovative Vector Control Consortium (IVCC) - the Liverpool School of Tropical Medicine, the London School of Hygiene and Tropical Medicine, University College Davis, California, Colorado State University and the Medical Research Centre, South Africa - received a \$50 million grant from the Bill and Melinda Gates Foundation in November 2005.

During the past three decades, there has been little progress in developing new

insecticides for public health use in combating vectors (such as mosquitoes) which carry diseases such as malaria. Inefficient deployment of pesticides and the growth of pesticide resistant insect strains have contributed to a situation where malaria, a disease which was eradicated in the developed world many years ago, is on the increase in Africa and now kills 2,000 children every day.

The IVCC has been established to address these problems by developing a portfolio of chemical and technological tools that will be immediately accessible to populations in the developing world.



LATH News



In June 2006 Liverpool Associates in Tropical Health (LATH) celebrated its 20th Anniversary with a dinner dance at Liverpool Town Hall. This was preceded by a discussion in the Council Chambers on the role of Health Consultancy in Africa over the next 20 years. The Chair of the discussion was Dr Paulinus Sikosana, LATH consultant in Malawi, while the keynote speaker was Dr Richard Pendame, LATH consultant, Kenya. Distinguished speakers at the event included Dr Stewart Tyson, DfID, Dr Imelda Bates and Tim Martineau of the Liverpool School of Tropical Medicine and Monica Burns, independent consultant and LATH Board member. After dinner speakers included Mrs Jane Newell, widow of Prof Ken Newell, who had the vision that became LATH over 20 years ago, Prof Herbert Gilles and Tim Martineau who helped make that vision a reality, Prof Janet Hemingway, LSTM Director and Mr Nick Earlam, LATH Chairman. Plexus Cotton and TD Travel Group sponsored prizes which raised £350 for the Ken Newell Bursary in International Health and the David Smith Memorial Fund.

LATH's other highlights over 2005/2006 include the strong partnership with the Royal College of Obstetricians and Gynaecologists which has helped with the increasing workload in promoting Safe Motherhood in Kenya, Malawi and

Nigeria, including a new programme with the Health Foundation in Malawi; an expanding portfolio of work in Human Resources Management and Development particularly in the USAID Capacity Programme and support to Ministries of Health across Africa; work for the private sector in malaria control, particularly in Nigeria, and work in health systems in Kenya, Malawi, Mozambique and Nigeria. For the fifth consecutive year LATH has been awarded a contract by the Global Alliance for Vaccines and Immunisation to carry out data quality audits on immunisation services.

ER Team Pays Tribute to LATH for Help With TV Series

When the final credits rolled at the end of some recent episodes of the popular TV hospital drama ER, LATH received an accolade. This was due to the work of LATH Programme Coordinator Marielle Bemelmans who acted as an on-set advisor for the international hit series.

Born in Holland, Marielle trained as a nurse and worked overseas for five years in Uganda, Kenya and Sudan on HIV AIDS projects and in primary health care, working in emergency refugee camps in Africa before coming to study at LSTM in 2004. In 2005 Marielle began working with LATH and is currently assisting in the coordination of programmes on supporting health systems for overseas governments so that people have access to basic health care.



ER actor Noah Wylie with Marielle Bemelmans

European Capital of Culture 2008

Liverpool 08
EUROPEAN CAPITAL OF CULTURE



From left: Eileen Willshaw and Julie Hanna (Liverpool Culture Company), Rosemary Hawley (LSTM Chair) and Paul Hughes (Jepson Hughes Medical Collection) examining some of the equipment that will be on display in 2007

Plans for Liverpool's 800th anniversary in 2007 and European Capital of Culture 2008 celebrations are well underway. LSTM has joined up with Liverpool Culture Company and a host of partner organisations to chart the contributions LSTM has made to this incredible journey.

During 2007 and 2008 LSTM will be contributing to exhibitions, events and conferences concerning local and global health. Activities will explore the rich history of Liverpool's health institutions and celebrate the people and achievements that have improved health across the UK and the world.

At an event in May 2006, health and heritage stakeholders met to discuss how they can work together to deliver a series of high profile public and private interest events and activities. LSTM Chairman Rosemary Hawley spoke at

the event of Liverpool's rich and diverse medical heritage. In reviewing the long list of the city's achievements, LSTM featured prominently. Rosemary Hawley stated that LSTM "has made a greater difference to lives worldwide than any other organisation in Liverpool." It is with this reputation in mind that we are preparing for full involvement in the 2007 and 2008 celebrations.

For more information on what is planned for Liverpool's Capital of Culture celebrations visit:

www.liverpool08.com

and

www.liverpool2007.org.uk



Heroes Who Gave Their Lives in the Cause of Research



*Left: Prof Brown, Chancellor of LJMU
Centre: Prof Janet Hemingway
Right: Lord Alton*

LSTM Director Professor Janet Hemingway was invited to give one of the prestigious Roscoe Lectures in January 2006, following in the footsteps of such notable people as the Dalai Lama, Rabbi Julia Neuberger, Mrs Mary McAleese, President of Ireland and writer and broadcaster Melvyn Bragg.

The lecture was hosted at Liverpool's famous St George's Hall by Liverpool John Moores University's Foundation for Citizenship, which promotes active citizenship within the University and the wider community. It takes its name from one of Liverpool's most distinguished sons, Sir William Roscoe (1753-1831),

historian, author and lawyer who, as a Member of Parliament, fought against the slave trade.

In her address, Professor Hemingway illustrated how the School itself linked into the theme of citizenship. She told how many of its staff had literally given their lives to improve our understanding of tropical diseases. While it was hoped that today our understanding of diseases was sufficient to protect staff, the School still operated on the front line of emerging and re-emerging infectious diseases, working in some of the most difficult conditions and demonstrating a similar sense of citizenship today. Looking to the future, she spoke of the

work which would continue in the School and in its new Centre for Tropical and Infectious Diseases which will put LSTM scientists at the forefront of research into treating and controlling such diseases as malaria.

Tribute to Lord Chan

It is with great sadness that we say farewell to Lord Chan who died aged 65 on 21 January 2006, and it is with great pride that we pay tribute to his work and life. Lord Chan was a senior clinical lecturer at LSTM from 1976 to 1994 and also worked as a consultant paediatrician in neonatal care at Fazakerley Hospital. When he left the school in 1994, to work at national level in the field of ethnic health, he was appointed Honorary Professor in Tropical Child Health at the School. In that role, he regularly gave lectures on neonatal

care and ethnic health issues to successive cohorts of students from all over the world who were training in paediatrics and tropical medicine at the School.

LSTM's Professor Bernard Brabin recalled: "He was highly valued by his colleagues and by his students and will be greatly missed as a lecturer and a person. He had a gentle but highly effective diplomatic manner which made people feel that he valued their opinions and point of view. Despite reaching the pinnacle of society, he was never arrogant. Through his work he has made a considerable contribution to child health in the developing world. He

played a major role in coordinating studies over several years in India and played a role in helping the British government to introduce new practice in this country in maternal and child health."

The late Lord Chan of Oxtou



Picture courtesy of New Tang Dynasty Television

Alumni Updates



Dr Lola Sadiq

Position: Disease Prevention and Control Adviser, WHO
Location: Abuja, Nigeria

I graduated with a Masters in Community Medicine in 1979 under Professor Fendals. I am currently working in Nigeria with the World Health Organization (WHO) as a Disease Prevention and Control Adviser. I am also a member of the UN Avian Influenza working group in Nigeria. I have coordinated most tropical diseases for WHO, from malaria, TB, Leprosy, HIV, Filariasis to Non Communicable Diseases (NCDs).

Having re-established contact with the School, Dr Sadiq is now registered on LATH's database of consultants and is ready to assist wherever possible in matters of international health and technical assistance. For further information on registering with LATH visit: www.lath.com



Dr Eve Worrall

Position: Health Economics and Policy Advisor, Liverpool Associates in Tropical Health (LATH)
Location: Liverpool/London, UK

I completed my PhD at the School in 2001 working with the MALSAT (an environmental information system for malaria). My research was on the cost-effectiveness of malaria early warning systems and I did my fieldwork in Zimbabwe.

I have come full circle since starting my PhD at the School. One of the main reasons for my decision to return and work for LATH is that it they donate profits to LSTM which gives me the opportunity to give something back in return for the excellent experience I gained at LSTM.

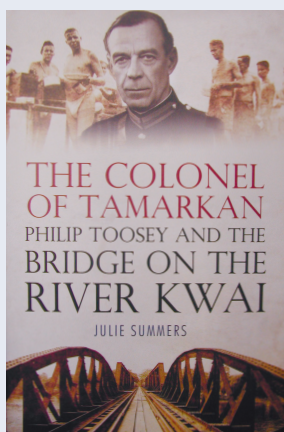
For further information regarding any of the courses at LSTM please visit our website: www.liv.ac.uk/lstm/taught/index.htm
If you are a member of the LSTM Alumni and would like to keep in touch with developments at the School or even feature in the 2007 Alumni Update please email: william.dean@liv.ac.uk



Pa Yusupha Sowe

Course studied at LSTM: CTCM&H graduated 1998
Current Position: Assistant Project Manager, Global Fund for Malaria
Location: Gambia

When I completed the Certificate in Tropical Community Medicine and Health at LSTM in December 1998, I returned to the Gambia and continued working for the Medical Research Council. I was able to become a Research Nurse on the Pneumococcal Vaccine Trial at the MRC Basse Field Station in Ghana for 6 years from 1998 to 2004. I then went on to become a Nurse in the ward at MRC Headquarters.



New Biography of Brigadier Sir Philip Toosey

Brigadier Sir Phillip Toosey was President of Liverpool School of Tropical Medicine in the very formative years from 1965 to 1975. He was also the Colonel in charge of the British troops at Tarmarkan Camp on the infamous Thai-Burma Railway. This was the famous "Bridge

over the River Kwai" camp, where the men were used as slave labour to build a bridge to carry the railroad over the Kwai-Yai River. A new biography of this remarkable man has recently been published - "The Colonel of Tarmarkan: Philip Toosey and the Bridge on the River Kwai". It has been written by Julie Summers, a writer and researcher who is the grand-daughter of Toosey himself.



Education & Training Programmes 2005-2006

Masters Programmes –

Master of Tropical Medicine

Five students are currently attending this course, from five different countries: Libya (1), Iraq (1), Japan (1), Nigeria (1), Sudan (1).

Joint Masters of MSc in Biology & Control of Parasites and Disease Vectors, MSc in Molecular Biology of Parasites and Disease Vectors, and MSc in Veterinary Parasitology

12 students are attending this programme, from five countries: Britain (7), British/Greek (1), Portugal (1), Ethiopia (2), Kenya (1).

MSc in Medical Microbiology

Nine students are studying on this programme, from four different countries: Britain (6), Germany (1), Iraq (1), Saudi Arabia (1).

Master of Tropical Paediatrics

Six students from five different countries are studying on this course which started in September 2005: Nigeria (1), Ghana (2), Japan (1), Britain (1), Yemen (1).

Masters in Humanitarian Programme Management

Seven students are attending this programme which began in September 2005. Students come from seven countries: Italy (1), France (1), USA (1), Zimbabwe (1), Spain (1), France (1), Germany (1).

Masters in Humanitarian Studies

Four students are attending this programme which began in September 2005. Students come from four countries: Denmark (1), France (1), Germany (1), UK (1).

Masters in Community Health

Nine students are currently attending this programme which began in January 2006. Students come from seven countries: Germany (2), Malawi (1), Nigeria (2), Gambia (1), Ethiopia (1), UK (1), Kenya (1).

Diploma Programmes –

Diploma in Tropical Medicine & Hygiene

78 students are currently attending this programme which began in September 2005. Students come from 17 countries: Australia (2), Canada (1), China (1), Denmark (1), Germany (12), Hungary (1), Italy (1), Korea (1), New Zealand (4), Nigeria (2), Norway (6), Rep of Ireland (1), Spain (1), UAE (1), UK (37), Egypt (1), USA (5).

Diploma in Tropical Medicine & Hygiene

79 students are currently attending this programme which began in February 2006. Students come from 15 countries: Australia (4), Canada (1), China (1), Germany (11), Italy (2), New Zealand (3), Nigeria (6), Norway (2), Spain (2), Sweden (1), Switzerland (1), Syria (1), Turkey (1), UK (36), USA (7).

Diploma in Reproductive Health in Developing Countries

13 candidates attended the Diploma in Reproductive Health in Developing Countries programme, run jointly with The Royal College for Obstetricians and Gynaecologists, from April to July 2006 from ten countries: Nigeria (3), Australia (1), Nepal (1), Libya (1), Sri Lanka (1), Sudan (2), Tanzania (1), Pakistan (1), Germany (1), Kenya (1).

Diploma in Humanitarian Assistance

18 students are attending this course which started in May 2006. Students come from 11 different countries: Canada (1), Egypt (2), Germany (2), India (1), Indonesia (1), Ireland (1), Malawi (1), Nigeria (2), Norway (1), UK (5), UK/Belgium (1).

Diploma in UK Medicine for Refugee Doctors

Nine students are attending this one year programme, which started in January 2006. Students come from five different countries: Iran (2), Sudan (3), Afghanistan (3), Chechnya (1), Ukraine (1).

Certificate Courses –

Certificate in Tropical Community Medicine & Health

12 candidates attended the Certificate in Tropical Community Medicine & Health Courses from September to December 2005 and from February to May 2006, from eight different countries: Tanzania (1), Norway (3), Germany (2), UK (1), Canada (2), Italy (1), Netherlands (1), USA (1).

Research Students –

111 students from 31 countries were registered as research students in May 2006: Belgium (1), Burkina Faso (1), Canada (1), China (3), Ghana (5), Guatemala (1), Iran (4), Ireland (1), Kenya (4), Korea (1), Libya (2), Malawi (12), Malaysia (1), Maldives (1), Mexico (2), Netherlands (1), Nigeria (5), Pakistan (1), Palestine (1), Peru (1), Saudi Arabia (7), South Africa (1), Sri Lanka (2), Tanzania (3), Thailand (6), Uganda (1), UK (26), USA (1), Venezuela (1), Yemen (12), Zimbabwe (1).

Medals and Prizes

Diploma in Tropical Medicine and Hygiene

Milne Medal in Tropical Medicine:
Julia Copland (UK) May 2005
D. Mawer (UK) December 2005

Blacklock Medal in Parasitology & Medical Entomology:
Amandip Sahota (UK) May 2005
L. Turtle (UK) December 2005

Warrington Yorke Medal in International Community Health:
Julia Kenny (UK) May 2005
L. Pollock (UK) December 2005

MSc in Applied Parasitology

Jervis Prize:
Francesca Tamarozzi (Italy) July 2005

Andrew Campbell Memorial Prize:
Chadwick Sikaala (Zambia) 2005

Master in Tropical Paediatrics

Matthew Lukwiya Prize:
Herish Ahmed (Iraq)

John Hay Prize:
Nuria Lopez Segura (Spain)

Certificate in Tropical Community Medicine & Health

David Haddock Prize:
Johanna Kaule (Germany)
Maureen Orr (USA) December 2005
Elizabeth Maloney (Ireland) December 2005

Master of Tropical Medicine

Glyn Williams Prize:
Hiroslin Nakaoma (Japan)

Fundraising News

As a registered charity the Liverpool School of Tropical Medicine relies heavily upon private donations of all sizes in order to undertake existing work and to react to new developments.

Fundraising Appeals

Centre for Tropical & Infectious Diseases

A state-of-the-art facility for the research and development of new drugs and vaccines to fight diseases that are devastating the developing world. Funding for vital laboratory equipment is still required. Further information regarding CTID can be found at www.liv.ac.uk/lstm/



Refugee Doctors Programme

Donations are welcomed to support this training programme to equip refugee doctors with the necessary skills to work within the NHS. Due to the closure of other training programmes in the UK demand has increased.



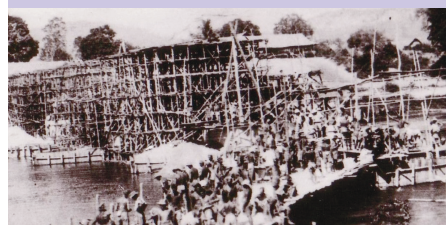
Lymphatic Filariasis (Elephantiasis) Support Centre

The LF support centre works towards the elimination of Elephantiasis. One billion people are at risk from the disease and 120 million people are infected across 80 of the poorest countries. The cure for this disease already exists, however urgent funds are needed to deliver those treatments. www.filaria.org.uk



Far Eastern Prisoners of War (FEPOW)

LSTM is undertaking research on the health effects of imprisonment under the Japanese in the Far East during World War II, in particular infections with the worm *Stongyloides Stercoralis*. Donations are required to continue this research.



Support for Scholarships

Although the quality of students wanting to come to the School is always exceptional, their resources can often be far scarcer. LSTM's Scholarship Fund endeavours to bridge that gap. By supporting the scholarship fund you can help to develop a career that will be dedicated to preventing disease and suffering.



Foreign Currency Appeal

Please have a look at home and in work for any foreign currency that you have lying around from your last trip abroad. Even if the currency is no longer in circulation please send it to LSTM at the address on the back cover.



Details of how to make a donation and information on other ways of supporting LSTM can be found on the back page of this publication.

If you did not receive this publication directly and would like to be added to our database for future mailings please make contact via the details on the back page, indicating whether you would prefer to receive the publication by email or post.

How to Support LSTM

You can support the work of LSTM in the following ways:

A **general donation**, simply write a cheque payable to: Liverpool School of Tropical Medicine. Post to Billy Dean, Fundraising Office, LSTM, Pembroke Place, Liverpool, L3 5QA. If you are a UK tax payer you can print off a Gift Aid form to increase the value of your donation.

www.liv.ac.uk/lstm/about/documents/GiftAidDeclarationForm.doc

Leaving a **legacy** to Liverpool School of Tropical Medicine by remembering the charity in your will, is becoming an increasingly common method of support. Please contact the Fundraising Office for further details.

If you would like to make regular donations to LSTM you can fill in an online **standing order** form at our website

www.liv.ac.uk/lstm/about/FundraisingOffice.htm

Taking part in a sponsored event or organising an activity:

- A sponsored run
- A global adventure challenge
- A car-boot sale
- Organise a quiz or a raffle

Corporate Support

Businesses can support the school in one or more of the following ways:

- A general donation
- Make us your charity of the year. With the support of your employees, you can donate the proceeds of your fundraising activities
- Gifts-in-kind
- If you are a medical company you may consider placing an advert in this publication. Or perhaps sponsoring its production.

Please contact the Fundraising Office for further details of supporting LSTM.

Contact :

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Pembroke Place, Liverpool, L3 5QA.
Telephone: 0151 705 3272
Email: william.dean@liv.ac.uk**

