

Biography of Dr Stuart Hargreaves: 5 August 1946 – 28 August 2012

Name	Stuart Kenneth Hargreaves
Profession	Veterinarian
Nationality	Zimbabwean
Place of birth	Harare
Parents:	Bernard Hargreaves (Farmer) & Gladys Hargreaves (Teacher)
Wife:	Shirley-Anne
Child:	Ross Hargreaves
Grandchildren:	None
Primary School	Selbourne Routledge Primary School, Salisbury
Secondary School	Prince Edward, Salisbury
Achievements	School Prefect Vice-Captain 1 st team Rugby Colours for Rugby Team blazer for Athletics Deputy Head of House
Key Qualifications	1970 BVSc, Onderstepoort Faculty of Veterinary Science, RSA (1 year at Natal University before attending Onderstepoort)

Dr Hargreaves was a veterinarian with over 35 years of experience in the control of livestock diseases in southern Africa, with 16 years as Director of Veterinary Services, then the last four years as Principal Director of Livestock and Veterinary Services of Zimbabwe. This latter post gave him overall authority of both national animal production and animal health issues. The bulk of his work was in Zimbabwe but owing to the regional incidence of most trans-boundary occurring diseases, it included involvement with all other countries in the region. Although the most important disease was foot and mouth disease he was personally involved in a wide range of other important diseases, including anthrax, trypanosomiasis, rabies, Newcastle disease, tick-borne diseases and African swine fever.

Dr Hargreaves' experience included hands-on diagnosis and treatment in the field and subsequently, as the highest veterinary authority in Zimbabwe, he was responsible for

directing livestock disease control in Zimbabwe for 20 years. This involved the control and management of the various departments within the Division of Livestock and Veterinary Services, including veterinary field and diagnostics, veterinary public health, tsetse and trypanosomiasis control and livestock production. He had personal experience in the control of foot and mouth disease from Field Veterinary Officer level to that of Principal Director over many years.

Because of its efficiency and the international recognition given to the Department of Veterinary Services, Zimbabwe was able, for many years, to export livestock, beef and other animal products to the most lucrative international markets. Dr Hargreaves was personally responsible for a wide range of activities, including changes in legislation and institutional reforms, which enabled such international recognition to be achieved.

Special awards and honors

1988	First recipient of the Zimbabwe Society of Animal Production Gold Medal Award for Outstanding Contribution to the Livestock Industry
1991	J F Kapnek Charitable Trust Award for High Standards and Achievement in Managing the Zimbabwe Veterinary Journal and Contributions to the Veterinary Profession
1991	Commercial Farmer's Union Farming award for 'Outstanding Achievement and Service to Agriculture in Zimbabwe'
2007	Research Council of Zimbabwe award for 'Distinguished Contribution in the Agricultural Sector in the Service of Zimbabwe'
2007	Southern Africa Poultry Association award for exceptional services given to the poultry industry over the years.

Professional Affiliations and Memberships

Local

- Member of the Zimbabwe Veterinary Association 1971 to 2012
- President of the Zimbabwe Veterinary Association 1986 - 1987
- Chairman of the Board of Directors of the Zimbabwe Veterinary Journal 1986 - 1995
- Member of Zimbabwe Society of Animal Production 1971 - 2012
- Member of the Zimbabwe Council of Veterinary Surgeons 1988 - 2012
- Member of the Zimbabwe Council of Veterinary Surgeons Committee for Assessment of Veterinary Specialists 1989 - 2012
- Founder member of the Veterinary Services Council 1998 – 2012

- Chairman of the Veterinary Services Council 1998 – 2000
- Chairman of the Livestock Improvement Committee 1986 – 2000
- Member of the Veterinary Faculty Curriculum Advisory Board 1982 – 1988
- Member of the Agricultural Research Council 1988 – 2012
- Served on the Zimbabwe Veterinary Councils Registration Examination Board 1982 – 1988. Served as an external examiner at Veterinary Faculty as and when required.
- Member of the Zimbabwe Food and Food Standards Advisory Board 1998 – 2012
- Chairman of the Chemical Substances in Food Sub-Committee 1998 – 2012
- Member of the Meat and Livestock Advisory Council 1999 – 2012
- Member of the Board of Trustees – Livestock Identification Trust 1999 – 2012
- Member of the National Coordination Committee for Tsetse Control

International

- President of OIE (World Organization for Animal Health) Regional Commission for Africa 1995 – 1997
- Member of the OIE International Terrestrial Animal Health Standards (Code) Commission 2000 – 2003. Re-elected 2003 – 2006. Re-elected 2006 – 2009.
- Selected in 2006 as an expert by the World Organization for Animal Health (OIE) for the evaluation of veterinary services.
- Member of the Editorial Board of *Veterinaria Italiana*, an international scientific veterinary journal.
- Member of the FAO Peer Review Panel in December 2001 to review FAO Livestock Programmes from 1995 – 2000
- Member of the SADC Technical Committee for the Livestock Subsector
- Permanent Delegate for Zimbabwe to the OIE (World Organization for Animal Health) 1988 – 2021
- Trustee Member of the SADC Tick and Tick-borne Disease Control Centre in Malawi
- Elected Member of the Regional Standing Committee for Tsetse and Trypanosomiasis Control
- Member of the Regional Tick and Tick-borne Disease Control Steering Committee

Employment Record

1971-2010 Veterinary Officer to Principal Director of Livestock and Veterinary Services, Ministry of Agriculture.

Experience and Achievements Record

2002 - 2010 Principal Director Livestock and Veterinary Services. This post, which was created in 2002, brought livestock production and veterinary services under one authority. On occasions, from November 2004, Dr Hargreaves has acted as Permanent Secretary within the Ministry of Agriculture.

1988 – 2002 As Director of Veterinary Services he was responsible for directing all aspects of animal health, veterinary diagnostics and research and veterinary public health. Over these years the Zimbabwe Livestock Industry expanded and flourished, and the Veterinary Department in Zimbabwe was held in high esteem both locally and internationally.

Dr Hargreaves traveled extensively and participated in specific study tours to evaluate delivery of veterinary services in:

- Australia 1982
- America 1987
- Australia 1999
- United Kingdom 1999
- China 1999

1983 – 1988 As Deputy Director in charge of all field services he was responsible for a wide range of animal health activities relating to all types of livestock including wildlife.

1971 – 1983 As Field Officer to Provincial Veterinary Officer he worked in various district and provincial stations in Zimbabwe including Chinhoyi, Gweru, Zvishavane, Bindura, Harare and spent considerable time attending to foot and mouth disease outbreaks in Marondera, Kadoma, various parts of Masvingo Province and other parts of the country.

Such experience in animal disease control is impossible to obtain from a textbook and was of immense value to the Department and Zimbabwe as a whole.

He personally pioneered investigations into the role foot and mouth disease carrier cattle play in the epidemiology of foot and mouth disease in Zimbabwe. As a result of this work, it was established that cattle can carry the virus for up to 42 months after infection and transmit the disease after two years. This has had a major impact on foot and mouth disease control strategies in the region.

Dr Hargreaves' achievements:

- The introduction of new legislation and amendments to old legislation to improve the control of livestock disease in Zimbabwe. Through his experience the Department has developed and amended its veterinary regulations making it possible for good disease controls to be established and for high standards of regulatory functions to be achieved, enabling a wide variety of animal products to be exported.
- Under Dr Hargreaves' leadership significant institutional reform occurred, which involved stakeholder participation in the policy planning and decision-making process. These reforms, which took place under the Agricultural Services Management Programme, were funded by the World Bank / European Union and the British Department for International Development.
- Cost recovery for services delivered and revolving funds were new initiatives introduced by Dr Hargreaves. Another of his major achievements was leading the Department through a Core Functions Analysis, which was highly successful.
- These changes strengthened the Department and made the delivery of core functions to the farmers and other stakeholders more sustainable.
- Restructuring of the Department in terms of its core function was another achievement. Strong partnerships and linkages were developed with stakeholders and cost recoveries for services delivered are now widely accepted.
- Dr Hargreaves was instrumental in initiating the development of the veterinary services Mission Statement, Vision and Goals. He instigated the development of divisional and departmental annual work plans, discussed and ratified by the livestock sector.
- Through Dr Hargreaves' direct involvement the Veterinary Services maintained an updated set of regulations which enabled staff to carry out appropriate specified livestock disease control activities.
- The design and adoption of various techniques to enable Zimbabwe to export livestock and livestock products, despite the presence of foot and mouth disease in some areas in Zimbabwe. These included the regionalisation of the country into various zones which, for many years, permitted disease free areas to export to the European Union and other international markets.
- The introduction of a cattle identification and traceability scheme.
- The promotion of "on farm" assurance schemes, which initiated codes of practice to improve food safety.
- The introduction of a residue testing programme for meat exports.
- The development of the Tsetse and Trypanosomiasis Control Branch as a Centre of Excellence for tsetse fly control in the region. The Tsetse and Trypanosomiasis Control Branch has been successful in eradicating the tsetse fly from vast areas of

valuable farmland so that the fly was restricted to the border and certain wildlife areas where the presence of the tsetse fly was less significant.

- Under the leadership of Dr Hargreaves, the livestock sector was able to export a wide variety of products to many regional and international markets, including the most lucrative. Beef exports were largely to the EU and southern African countries. Other exports include pork, poultry and dairy products to most SADC countries, crocodile meat and fish to Europe and ostrich meat to Europe and Hong Kong. The development and implementation of effective controls for foot and mouth disease in the country were a major part of his activities over a long time period.
- In order to satisfy public health regulations, Dr Hargreaves established the necessary protocols for trade with the relevant authorities in these importing countries.
- He was a past President of the OIE (World Organization for Animal Health) Regional Commission for Africa and one of the five elected members of the OIE International Terrestrial Animal Health Standards Commission.
- He was for many years involved in and responsible for wildlife health and disease control. This included wildlife movement controls and disease monitoring. He established a Veterinary Wildlife Unit, which was fully commercialized, within the Division.
- He was involved in the design and establishment of wildlife conservancies, which improved options for land utilization in the more arid regions and promoted the development of foot and mouth disease-free buffalo to assist in the development of the tourist industry, without additional risk to the livestock industry.
- He initiated and led the development of the Division's Central Information Management Unit. This unit processed information and data from all departments and the private sector and improved disease information flow and policy planning.
- He provided guidance concerning animal health and livestock issues to the Ministry of Agriculture and the livestock industry in general.
- He initiated the change from an intensive dipping system, which had been operational for decades in the small holder farming sector, to a strategic dipping system. This permitted farmers to take advantage of the natural immunity of cattle to ticks and tick-borne disease.
- He played a dominant role in guiding less experienced staff, after Independence in 1980, in all veterinary issues, thereby shouldering a heavy responsibility for national livestock disease control.
- He was involved with the maintenance of standards at all export abattoirs ensuring safe export to regional and international markets. Included in this aspect was the maintenance of a high standard diagnostic service to assist in controlling disease and to satisfy health requirements of importers. Under Dr Hargreaves' guidance five abattoirs and a meat-canning factory were approved for export to the European Union.

- He initiated the establishment of the Veterinary Services Council, a key component of the institutional reform programme and representing all stakeholders in the livestock sector acting as a forum to promote interaction between the Veterinary Administration and the livestock industry.
 - He was a strong promoter for the establishment of community-based animal health workers.
 - He strengthened and developed linkages between the Division and all sectors of the livestock industry, interacting frequently with all the organizations in that sector.
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Consultancies

- 1997 Veterinary Institutional Reforms – Indonesia – DFID
- 2003 Livestock Export Zone Study – East Africa – FAO / EU
- 2004 Disaster Mitigation Options for Livestock Production in Communal Farming Systems in Zimbabwe - FAO
- 2006 Expert Meeting on “Sustainable Utilisation as a support to the further development of the Global Strategy for Animal Genetic Resources Management” – Terni, Italy – WAAP/FAO
- 2006 Evaluation of the Veterinary Services for the Control of Avian Influenza – Zambia – World Bank
- 2006 Export Zone Study – Kenya – GTZ
- 2007 Team leader and expert for the OIE (World Organisation for Animal Health) mission to evaluate the Malawi Veterinary Service.
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Publications in Refereed Journals

- An Investigation into the Source and Spread of Foot and Mouth Disease Virus from a Wildlife Conservancy in Zimbabwe,
S K Hargreaves, C M Foggin, E C Anderson, A D S Bastos, G R Thomson, N Ferris, N Knowles

World Organisation for Animal Health - Scientific and Technical Review Volume 23 (3) December 2004

- International Trade in Livestock and Livestock Products: The Need for a Commodity Based Approach
G R Thomson, E N Tambi, S K Hargreaves, T J Leyland, A P Catley, G G M van't Klooster, M-L Penrith

Veterinary Record 2004 (155 429-433)

- Review of Status and Control of Foot and Mouth Disease in sub-Saharan Africa
W Vosloo, A D S Bastos, O Sangare, S K Hargreaves, G R Thomson

World Organisation for Animal Health Scientific Review Volume 21 (3) 2002

- Health Regulations and their Implications on Sustainable use of Genetic Resources

S.K. Hargreaves

- The Foot and Mouth Disease Risk posed by African Buffalo within Wildlife Conservancies to the Cattle Industry of Zimbabwe
P Sutmoller, G R Thomson, S K Hargreaves, C M Foggin, E C Anderson

Preventive Veterinary Medicine 2000

- Immunisation of Cattle in Zimbabwe, using *Theileria parva* (Boleni) without Concurrent Tetracycline Therapy
G K Kanhai, R G Pegram, S K Hargreaves, T Hove, T T Dolan

Tropical Animal Health and Production 1997

- Tick Control: A Standard Terminology
R Pegram, S K Hargreaves, A R Walker

Medical and Veterinary Entomology 1995

- Tick and Tick-borne Disease Control in Zimbabwe: What Might the Future Hold?
R A I Norval, B D Perry, S K Hargreaves

Zimbabwe Veterinary Journal 1992

International Conference Papers

- 'Concepts of Compartmentalisation' Presentation at the OIE workshop for Southern and Central African countries – Gabarone, Botswana January 2008.
- AU-IBAR / OIE Symposium on New Concepts of Export Systems for Trade in Livestock and Livestock Products – Cairo 11-13 October 2004

- South African State Veterinary Association Congress – Durban 2003
- Primary Animal Health Care in the 21st Century; Shaping the rules, Policies and Institutions. Financial Sustainability and Privatisation – The Zimbabwe Experience, Mombasa, October 2002
- Participant at the International OIE Conference of Experts on Foot and Mouth Disease – Paris 2001
- International Conference on Veterinary Diagnostics in the First and Third World – South Africa – 1995
- International OIE Conference for the Development of a Common Strategy for Southern and Eastern Africa – July 1995
- International OIE Conference on Foot and Mouth Disease, African Horse Sickness and Contagious Bovine Pleuro-Pneumonia – Botswana, 1994
- Control of Vectors of Animal Disease in East, Central and Southern Africa – Nairobi Kenya – March 1993
- South African Veterinary Association Congresses - 1991 and 1993
- International World Wildlife Animal Disease Conference – Pretoria – 1991
- Pan Commonwealth Veterinary Association - Harare Zimbabwe – 1990
- International Conference on Foot and Mouth Disease Control – Harare Zimbabwe - 1989
- Brucellosis in Eastern and Southern African Countries – Botswana – 1988.