

附属資料 4. スクール・ミーティング資料：(2) UNZA スタッフ・リスト

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE

ADMINISTRATIVE AND GENERAL STAFF - DEAN'S OFFICE STAFF LIST AS AT 1ST JUNE, 1992

NAME	RANK
Prof. C.E.A. Lovelace	Acting Dean
Mr. A. Chishimba	Administrative Assistan to the Dean
Mr. E.S. Mwanza	Senior Accounting Officer
Mrs. E. Phiri	Secretary to the Dean
Ms. M. Banda	Typist
Ms. R. Musonda	Duplicator Operator
Mr. S. Daka	Duplicator Operator
Ms. J. Mufika	Messenger
Mr. M. Bwalya	Cleaning Supervisor
Ms. N. Katibu	Cleaner
Mr. M. Mwelwa	Cleaner
Mr. A. Tembo	Cleaner
Mr. G. Kazembe	Cleaner
Mr. J.C. Kaumba	Cleaner
Ms. G. Banda	Cleaner
Ms. A. Katongo	Cleaner
Ms. T. Banda	Cleaner
Ms. C.S. Nasilele	Cleaner
Ms. M. Lungu	Cleaner
Ms. A. Kabaso	Cleaner
Ms. S. Situmbeko	Cleaner
Mr. R. Banda	Senior Driver

DEAN'S OFFICE - DEPARTMENT OF CENTRAL SERVICES AND SUPPLY STAFF LIST AS
AT 1ST JUNE, 1992

NAME	RANK
Prof. C.E.A Lovelace	Acting Dean/Head
Mr. W. Benkele	Chief Technician
Mr. M. Kadono	Senior Technician
Mr. G. Himunzowa	Senior Technician
Mr. D. Chilinda	Technician I
Mr. D. Bowa	Technician II
Mr. E. Chisala	Technician II
Mr. G. Siame	Technician II
Mr. C. Singoyi	Assistant Technician
Mr. J. Kasope	Animal Attendant
Mr. A. Njobvu	Animal Attendant
Mr. M. Sakala	Laboratory Assistant
Mr. G. Phiri	Plotman
Mr. W. Phiri	Plotman
Mr. J. Sakala	Plotman
Mr. H.E. Phiri	Storekeeper
Mr. D. Mushoke	Stores-Clerk

SAMORA MACHEL SCHOOL OF VETERINARY MEDICINE
STAFF LIST OF PARACLINICAL STUDIES DEPARTMENT

<u>ACADEMIC STAFF</u>	<u>TITLE</u>	<u>SECTION</u>
Prof. Y. Tsutsumi	Professor	Parasitology
Prof. A. Kumar	Associate Professor	Microbiology
Dr. M. Musonda	Lecturer I	Pathology
Dr. E. T. Mwase	Lecturer I	Parasitology
Dr. T. Kakuda	Lecturer III	Parasitology
*Dr. R. Muimo	Lecturer III	Parasitology
*Dr. A. Mulenga	S. D. F.	Parasitology
*Dr. I. M. Bhaiyal	S. D. F.	Pathology
Dr. B. Namangala	S. D. F.	Microbiology
<u>SECRETARIAL STAFF</u>		
Mrs. B. C. Lukwesa	Secretary II	Departmental
<u>TECHNICAL STAFF</u>		
Mr. S. Chisembe	Chief Technician	Parasitology
Mr. P. G. Phiri	Senior Technician	Parasitology
Mr. P. Chama	Senior Technician	Pathology
Mr. C. Mubita	Senior Technician	Microbiology
Mr. M. Silumbwe	Technician II	Pathology
* Mr. D. M'ule	Technician II	Microbiology
Mr. J. Longu	Assistant Technician	Microbiology
Mr. A. Chota	Technician I	Parasitology
Mr. C. Sakala	Lab Assistant	Pathology
* Mr. J. Mulenga	Assistant Technician	Parasitology
Mr. T. Mulelemba	Lab Assistant	Parasitology
Mr. R. Nkhoma	Lab Attendant	

* (Staff on Study Leave)

30th November, 1992

BIOLOGICAL SCIENCES DEPARTMENT
SCHOOL OF VETERINARY MEDICINE
UNIVERSITY OF ZAMBIA

*Joel Xulu
quite helpful.*

STAFF LIST, JUNE 1992

NAME	POSITION	SUBJECT	STATUS
Dr. D.H. Kisauzi	Senior Lecturer	Physiology	Head
Prof. C.E.A. Lovelace	Associate Professor	Biochemistry	Ag. Dean
Prof. V. Ramkrishna	Associate Professor	Histology	
Dr. T.R. Ayittey	Senior Lecturer	Pharmacology	
Dr. S. Drozdowski	Senior Lecturer	Physiology	
Dr. K. Verstraeten	Lecturer	Embryology	
Dr. G.M. Mwaanga	Lecturer	Anatomy	
Mr. K. Mizinga	Lecturer	Physiology	Study Leave
Mrs Z.M. Ndimigulu	SDF Lecturer	Biochemistry	
Dr. K. Choongo	SDF	Pharmacology	Study Leave
Dr. C. Bishonga	SDF	Physiology	

NON-ACADEMIC

Mr. J. Daka	Chief Technician	Pharmacology	
Mr. B. Sakala	Senior Technician	Physiology	
Mr. P.O.C. Masebe	Technician I	Biochemistry	
Mr. I. Nyirenda	Technician I	Histology	
Mr. G. Kawila	Technician I	Pharmacology	
Mr. G. Sikazwe	Technician II	Research	
Mr. I. Sakala	Assistant Technician	Anatomy	
Mr. I. Ngoma	Lab. Assistant	Anatomy	Study Leave
Mr. F. Tembo	Lab. Assistant	Anatomy	
Mrs. G. Himombo	Lab. Attendant	Embryology	
Ms. N.N. Hunkolwe	Secretary	Administration	
Mrs S. Tembo	Typist	Administration	
Ms. M. Lungu	Cleaner	Biomedicals	

STAFF LIST OF DISEASE CONTROL DEPARTMENT AS AT 25TH JUNE, 1992

ACADEMIC

Prof. T. Kaji	Professor	Microbiology	JICA Long Term Exp.
Prof. C. Kanemehi <i>Kobayashi</i>	Professor	Environmental Hygiene-	<i>Long</i> JICA (Short Term Exp)
Dr. G.S. Parley	Senior Lecturer	Clinical Pathology	
Dr. J.E.D. Mlangwa	Lecturer I	Epidemiology	
Dr. K.L. Samii	Lecturer II	Preventive Medicine	
Dr. L.M. Tuhili	Lecturer II	Microbiology	
Dr. A. Nambota	Lecturer II	Parasitology	
Dr. H. Chitanbo	Lecturer II	Parasitology	
Dr. M. Ngoma	Lecturer III	Public Health (On study leave)	
Dr. A.S. Mweene	Lecturer III	Virology (On study leave)	
Dr. M.S. Syakalina	Staff Dev. Fellow	Clinical Pathology (On study leave)	
Dr. K. Hirowatari	Lecturer III	Public Health	

NON-ACADEMIC

Mr. W. Ulaya	Chief Technician
Mr. L.N.K. Zulu	Senior Technician
Mr. H. Chimana	Technician I
Mr. H. Mwanza	Technician I
Mr. G.S. Nawa	Technician I
Mr. H. Sinsungwe	Technician II
Mr. I. Nyambe	Assistant Technician
Mr. A. Biemba	Laboratory Assistant
Mr. G.M. Nyeleti	Laboratory Assistant
Mr. Y. Chana	Laboratory Assistant
Miss. I.T. Musonda	Secretary
Mrs. W.M. Chanda	Typist

THE UNIVERSITY OF ZAMBIA
SAMORA MACHEL SCHOOL OF VETERINARY MEDICINE
CLINICAL STUDIES DEPARTMENT

great good

ACADEMIC STAFF

STAFF LIST, 26TH JUNE, 1992

<u>NAME</u>	<u>POSITION</u>	<u>SUBJECT</u>
Prof. J. O. Omengebe	Head	Surgery
Dr. C. J. Siame	Lecturer	L.A. Medicine
Dr. I. G. K. Phiri	Lecturer	L.A. Medicine
Dr. O. V. Patel	Lecturer	Reproduction/Obstetrics (<u>On Study Leave</u>)
Dr. L. N. Chiti	House surgeon	
Dr. T. S. Mwanza	Lecturer	Small Animal Medicine
Dr. V. Zulu	SDF	
Dr. De-balogh	Lecturer	L.A. Medicine
Dr. De-bont	Lecturer	L.A. Medicine
Dr. E. I. Amber	Lecturer	Small Animal Medicine
Dr. F. Sabbe	Lecturer	L.A. Medicine
Dr. M. Alisheke	House Surgeon	
Dr. J. Muleya	Lecturer	Small Animal Surgery
<u>NON-ACADEMIC STAFF</u>		
Mr. M. Mubiana	Senior Technician	Administration
Mr. L. Nyirenda	Technician I	Small Animal Clinic and Radiology
Mr D. S. Banda	Technician I	Clinical Laboratory Diagnosis
Mr. E. Mwachindalo	Technician II	Pharmacy
Mr. F. K. Chitondo	Technician I	Pharmacy
Mr F. Mphande	Technician	Ambulatories
Mr. K. Syakulipa	Animal Attendant	Large Animal Clinic
Mr S. Banda	Animal Attendant	Small Animal Clinic
Mr. B. Mwaluputa	Animal Attendant	Large animal Clinic
Miss B. Masiye	animal Attendant	Small animal clinic
Mrs. M. Zulu	Secretary	Administration
Mrs M. Chibwe	Typist	Administration
Ms. P. Mwanza	Receptionist	Administration

THE UNIVERSITY ACT, 1992

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Single copies of this Act may be obtained from the Government Printer,

P.O. box 30136, Lusaka. Price K170.00

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SCHEDULE—Transfer of Property

ACT

No. 26 of 1992

Date of Assent

An Act to provide for the establishment, regulation, control and functions of public universities; to provide for the registration and regulation of private universities; to repeal the University of Zambia Act, 1987, and the Copperbelt University Act, 1987; and to provide for matters connected with or incidental to the foregoing.

[31st July, 1992]

ENACTED by the Parliament of Zambia.

PART I

PRELIMINARY

- | | |
|--|--|
| 1. This Act may be cited as the University Act, 1992, and shall come into operation on such date as the Minister may by statutory instrument, appoint. | Enactment |
| 2. In this Act, unless the context otherwise requires— | Short title and commencement |
| " Bursar " means the Bursar of a public university, appointed under section <i>twelve</i> ; | " Bursar " means the Bursar of a public university, appointed under section <i>twelve</i> ; |
| " Chancellor " means the Chancellor of a public university appointed under section <i>seven</i> ; | " Chancellor " means the Chancellor of a public university appointed under section <i>seven</i> ; |
| " Council " means the council of a public university established under section <i>thirteen</i> ; | " Council " means the council of a public university established under section <i>thirteen</i> ; |
| " department " means a teaching or research unit of a public university recognised as a component of a school; | " Deputy Vice-Chancellor " means the Deputy Vice-Chancellor of a public university appointed under section <i>nine</i> ; |
| " Deputy Vice-Chancellor " means the Deputy Vice-Chancellor of a public university appointed under section <i>nine</i> ; | " Librarian " means a Librarian of a public university appointed under section <i>eleven</i> ; |
| " Librarian " means a Librarian of a public university appointed under section <i>eleven</i> ; | " private university " means any university not maintained or financed by the Government, or a local government authority, out of public funds; |
| " private university " means any university not maintained or financed by the Government, or a local government authority, out of public funds; | " proprietor " means the person or body responsible for the management of a private university; |
| " proprietor " means the person or body responsible for the management of a private university; | " public university " means any university which is wholly or partly maintained or financed by the Government, or a local government authority, out of public funds; |
| " public university " means any university which is wholly or partly maintained or financed by the Government, or a local government authority, out of public funds; | |

"public university" means any university which is wholly or partly maintained or financed by the Government or a local government authority, out of public funds;

"University" means the University of Zambia or the Copperbelt University; and the word universities shall be construed accordingly;

"registered university" means a private university registered in the register of private universities under section forty-one;

"Registrar" means the Registrar of a public university appointed under section ten;

"school" means an academic unit of a public university in which teaching, study, research and learning are pursued;

"Senate" means the Senate of a public university constituted under section twenty-six;

"Statutes" means the Statutes of a private university made under section forty-five;

"Vice-Chancellor" means the Vice-Chancellor of a public university appointed under section eight.

PART II

PUBLIC UNIVERSITIES

Establishment, Functions and Principal Officers

3. (1) Notwithstanding section fifty-five the University of Zambia and the Copperbelt University shall continue to exist as separate institutions as if established under this Act and shall be public universities in accordance with this Part.

(2) The Minister may, by statutory instrument, establish other public universities in accordance with the structure and requirements specified under this Part.

4. (1) The Minister may, by statutory instrument on the recommendation of the Senate—

(a) establish any college as a constituent college of any public university; or

(b) declare any existing college or institution of learning as a constituent college or institution of any public university.

(2) Where the Minister establishes a constituent college or declares any institution to be a constituent college or institution of any public university—

(a) the Chancellor shall appoint a principal; and

(b) the Council shall appoint the members of the academic and administrative staff and other employees; of such constituent college or institution.

(3) Where the Minister makes an order under subsection (1), he shall, by the same or a subsequent order, make provision—

(a) for the administration of the constituent college or institution including any provision for the representation of such college or institution on the Council or Senate of the public university;

(b) for the vesting of any property of the college or institution in the public university;

(c) for the transfer of the academic or administrative staff or other employees of the college or institution to the service of the public university; and

(d) for the payment of retiring benefits to the academic or administrative staff or employees of the college or institution whose services are not transferred to the public university.

(4) Where provision is made in an order under this section for the vesting of any property of the college or institution in a public university, the property to which that order relates shall, by virtue of that order and without further assurance, vest in the public university.

5. (1) The Government may award grants to any public university out of monies appropriated by Parliament for that purpose.

(2) A local government authority may provide financial assistance to any public university for the purpose of improving the facilities for the further education in its area.

6. (1) The general functions of a public university are—

(a) to provide higher education, promote research and advancement of learning; and

(b) to disseminate knowledge and to hold out to all persons, without discrimination, the opportunity of acquiring higher education.

(2) For the purpose of carrying out the functions referred to in subsection (1), it shall be the duty of a public university, so far as its resources permit—

Financial assistance to public university

Functions of public university

Public universities

Constituent colleges of public university

- (a) to provide facilities appropriate to a university of the highest standing for the pursuit of learning and research and for the acquisition of both liberal and professional education responsive to the needs of Zambia; and
- (b) to make those facilities available on proper terms to such persons as are equipped to benefit from the use of the facilities.

Chancellor

7. (1) There shall be a Chancellor for each public university who shall be the titular head of the university.
- (2) The Chancellor shall be appointed by the President on the recommendation of the Minister from among three persons who have distinguished themselves.
- (3) For the purposes of subsection (2) a person shall have distinguished himself if he—

- (a) has held high academic or constitutional office; or
- (b) has attained recognition in his profession or office.
- (4) Any person appointed to the office of Chancellor shall hold office for a period of five years.

(5) The Chancellor shall preside at all ceremonial assemblies of the university and shall, in the name of the university, confer all degrees and other academic titles and distinctions of the university.

(6) The Chairman of the Council and the Vice-Chancellor shall keep the Chancellor fully informed concerning the general conduct of the affairs of the university and shall furnish the Chancellor with such information as he may request on any particular matter relating to the affairs of the university.

(7) The Chancellor may, at any time, direct that a visitation of the university be conducted by such persons and for such purposes as may be specified in that direction.

(8) A report of a visitation shall be submitted to the Chancellor, who shall decide what action, if any, may be taken on the report.

Vice-Chancellor

8. (1) There shall be a Vice-Chancellor for each public university appointed by the Chancellor, on the advice of the Council, who shall be the academic, financial and administrative head of the university and who shall, when the Chancellor is unable to do so, preside at the ceremonial assemblies of the university and shall in the name of the university, confer all degrees and other academic titles and distinctions of the university.

- (2) Any person appointed to the office of Vice-Chancellor shall hold office for a period of five years but shall be eligible for reappointment.

Provided that a person shall not hold office as Vice-Chancellor for a period of more than ten years.

Deputy Vice-Chancellor

9. (1) There shall be a Deputy Vice-Chancellor for each public university appointed by the Chancellor, on the advice of the Council, from among the senior members of the academic staff of the university, who shall assist the Vice-Chancellor in his duties and shall act in the place of the Vice-Chancellor when the office of Vice-Chancellor is vacant or the Vice-Chancellor is for any reason absent or otherwise unable to perform his functions.

(2) A person appointed to hold the office of Deputy Vice-Chancellor shall hold office for a period of three years but shall be eligible for reappointment.

Provided that a person shall not hold office as Deputy Vice-Chancellor for a period of more than six years.

Registrar

10. (1) There shall be a Registrar for each public university appointed by the Council, on such terms and conditions as the Council may determine, and who shall under the direction of the Vice-Chancellor, be responsible for the general administration of the university, including the administration of its assets.

(2) The Registrar shall be responsible for the custody of the Seal of the Council and records of the property of the university.

Librarian

11. There shall be a Librarian for each public university appointed by the Council, on such terms and conditions as the Council may determine, and who shall, under the direction of the Vice-Chancellor, be responsible for the development, control, management and co-ordination of all library services in a university.

Bursar

12. There shall be a Bursar for each public university appointed by the Council, on such terms and conditions as the Council may determine, and who shall under the direction of the Vice-Chancellor, be responsible for the financial planning and general administration of the finances of the university and shall maintain the accounts in such form and manner as may be determined by the Council.

The Council

Establishment of Councils of public universities

13. (1) There is hereby established a Council of the University of Zambia and a Council of the Copperbelt University, respectively, which shall be body corporates with perpetual succession and common seals capable of suing and being sued in their corporate names, and with powers, subject to the other provisions of this Act to do all such acts and things as a body corporate may do by law, and as are necessary for, or incidental to, the carrying out of their functions under this Act.

(2) Any Council established for any other public university under this Act shall be a body corporate with perpetual succession and a common seal, capable of suing and of being sued in its corporate name, and with powers, subject to the other provisions of this Act, to do all such acts and things as a body corporate may do by law, and as are necessary for, or incidental to, the carrying out of its functions under this Act.

Functions of Council

14. (1) Subject to the other provisions of this Act, a Council shall be responsible for the formulation of the policy of its university and in all cases, not otherwise provided for by this Act, may act in such manner as appears to the Council to be in the best interests of the university.

(2) Without prejudice to the generality of the foregoing, a Council may—

- (a) charge fees;
- (b) engage such academic, administrative and other staff as appears to the Council to be necessary, on such terms and conditions of service (which expressions shall include salaries, allowances, other remuneration and disciplinary control) as the Council may determine; and
- (c) carry on any business or undertaking for the purposes of the university.

Composition of Council

15. (1) A Council shall consist of the following members:
- (a) the Vice-Chancellor;
 - (b) the Deputy Vice-Chancellor;
 - (c) one member from the local government authority in whose area the public university is located and who shall be nominated by the local government authority and appointed by the Chancellor;
 - (d) two members of the academic staff of the university who shall be members of the Senate and who shall be nominated by the Senate and appointed by the Chancellor;
 - (e) not more than two members who shall be associated with universities or institutions for higher education outside the Republic and who shall be appointed by the Chancellor on the advice of the Vice-Chancellor;
 - (f) two members who shall be associated with other universities or institutions for higher education within the Republic who shall be appointed by the Chancellor on the advice of the Vice-Chancellor.

(g) one member who shall be a graduate of the university and who shall be nominated by the graduates of the university, in accordance with such election procedure as the graduates may determine, and appointed by the Chancellor;

(h) two persons who shall be students of the university and who shall be nominated by the students of the university, in accordance with such election procedure as the students' union may determine, and appointed by the Chancellor;

(i) two persons who shall be members of the non-academic staff of the university and who shall be nominated by the non-academic staff of the university, in accordance with such election procedure as the non-academic staff may determine, and appointed by the Chancellor;

(j) three members of the academic staff of the university who shall be elected by the academic staff of the university, in accordance with such procedure as the academic staff may determine, and appointed by the Chancellor;

(k) one member nominated by the Confederation of the Chambers of Commerce and Industry and appointed by the Chancellor;

(l) Permanent Secretaries in the ministries responsible for finance and education;

(m) two members of the National Assembly nominated by the Speaker and appointed by the Chancellor; and

(n) five members representing trade, industry, commerce and the professions not being employees or students of the university, public servants or Members of Parliament, appointed by the Chancellor after consultation with the Council of the University.

(2) A Council may exercise its powers notwithstanding any vacancy in its membership.

(3) There shall be a Chairman and a Vice-Chairman of a Council who shall be elected by the Council from amongst the members of the Council.

(4) The Chairman and the Vice-Chairman shall hold office for a period of five years but shall be eligible for re-election. Provided that a person shall not hold office as Chairman or Vice-Chairman for a period of more than ten years.

(5) Whenever the office of Chairman is vacant or the Chairman is absent for any cause the Vice-Chairman shall discharge the functions of the Chairman; or if both the Chairman and the Vice-Chairman are absent such other member as the Council may elect shall discharge the functions of the Chairman.

(6) There may be paid by a Council to members of the Council such allowances as the Council may determine.

(7) The Registrar of the university shall be the Secretary of the Council.

Tenure of office of member of Council

16. (1) Subject to the other provisions of this section, appointed members of a Council, other than the Chairman and the Vice-Chairman, shall hold office for a period of three years but shall be eligible for reappointment.

(2) The office of a member of a Council shall become vacant—

(a) upon his death or

(b) on ceasing to be a representative of the particular office or body by virtue of which he became a member of the Council.

(3) A member of a Council may at any time resign his office by notice in writing addressed to the Chancellor.

Procedure

17. (1) Subject to the other provisions of this Act, a Council may regulate its own procedure.

(2) A Council shall meet at such times and at such places as it may determine, for the transaction of its business but not less than three times in each calendar year.

Provided that the Chairman may at any time call a meeting of the Council and shall do so when requested in writing by any seven members of the Council.

(3) Nine members shall constitute a quorum at any meeting of the Council.

(4) If the Chairman and Vice-Chairman are for any reason both absent from any meeting of the Council, the members of the Council present may elect one of their number to preside at such meeting.

(5) Any matter for decision by a Council shall be determined by a majority of the members of the Council present and voting and where there is an equality of votes the person presiding shall have a casting vote in addition to his deliberative vote.

Management of property

18. (1) All the funds, assets and property, moveable and immovable, of a public university shall be managed and utilised by the Council in accordance with this Act in such manner and for such purposes as shall promote the best interests of the university.

(2) A Council may, after prior approval of the Minister and subject to such conditions, if any, as the Minister may impose, charge or dispose of the immovable property of a university.

19. (1) A Council may receive sums of money by way of grant or donation or in any other way from any source and expend and invest such sums as it may consider expedient.

Provided that the Council shall not be obliged to accept a grant or donation for a particular purpose unless it approves of the purpose and the conditions, if any, attaching thereto.

Grant, donation or other moneys received by Council

(2) A Council may borrow by way of loan or otherwise such sums as it may require for meeting its obligations and discharging its functions under this Act.

Provided that when such borrowing is to be made from sources outside the Republic the consent of the Minister responsible for finance, in consultation with the Minister, shall be obtained.

(3) A Council may receive any other form of grant or donation from any source.

20. A Council may, after prior approval of the Minister, invest any of the funds of the university in securities or may place such funds on a deposit at such bank as it may determine.

Investment of funds

Estimates

21. (1) A Council shall, in respect of every financial year, prepare or cause to be prepared estimates of the income and expenditure of the Council and shall furnish to the Government and to such other bodies as the Council may determine, copies of the estimates.

(2) Estimates shall be approved by the Council before the commencement of the financial year.

(3) The financial year of Council shall be a period of twelve months ending on the 31st December each year.

Audit and reports

22. (1) A Council shall keep or cause to be kept books of account of all income and expenditure and proper records in relation to its accounts.

(2) A Council shall cause to be prepared not later than three months after the end of each financial year—

(a) a statement of income and expenditure during the financial year,

(b) a statement of assets and liabilities of the university on the last day of financial year,

(c) a report on the progress of the university during the financial year,

and shall submit such statements and reports to the Government and to such other bodies as the Council may determine.

(3) The statement referred to in paragraphs (a) and (b) of subsection (2) of this section shall be submitted by the Surzor to, and be audited by, the Auditor-General or an auditor appointed by him, within six months after the end of each financial year, who shall be entitled to have access to all books of account, vouchers and other financial records of the university and to request such information and explanation thereon as he considers necessary.

(4) Copies of the report of the Auditor-General shall be furnished to the Minister and such other persons as the Council may determine, and the Minister shall, not later than seven days after the first sitting of the National Assembly next after the receipt of such reports, lay before the National Assembly, the reports together with the Council's report for that financial year.

23. (1) A Council may delegate any of its administrative functions to such special committees or officers as it may appoint.

(2) Persons who are not members of a Council may be appointed to special committees.

(3) There may be paid by a Council to members of the special committees such fees and allowances as the Council may determine.

24. (1) The seal of a Council shall be such device as may be determined by the Council, and the affixing of the seal shall be authenticated by the signatures of any two members of the Council and the Secretary.

(2) Any document purporting to be a document executed or issued under seal of the Council, authenticated as aforesaid, shall be received in evidence and shall, unless the contrary is proved, be deemed to be duly executed.

(3) Any contract or instrument which, if made or executed by a person not being a body corporate, would not be required to be under seal may be made or executed on behalf of a Council by any person generally or specially authorised, in writing, by the Council to do so.

(4) Notwithstanding anything contained in any other law, no stamp duty, transfer duty or other duty or registration fees shall be payable in respect of any transfer of property to the Council under this Act.

(5) The validity of any proceedings, act or decision of a Council shall not be affected by any vacancy in the membership of the Council or by any defect in the appointment of any member by reason that any person not entitled to do so took part in the proceedings.

25. (1) For purposes of this section and the Schedule, "the old Council" means the Council of the University established by section *fourteen* of the University of Zambia Act, 1987, or the Council of the University established by section *fourteen* of the Copperbelt University Act, 1987, as the case may be.

(2) All property held by the old Council with respect to the University of Zambia shall vest in the Council established under this Act for that University and shall be held by it for the discharge of its functions.

(3) All property held by the old Council with respect to the Copperbelt University shall vest in the Council established under this Act for that University and shall be held by it for the discharge of its functions.

(4) The Schedule shall have effect with respect to, and to all matters arising from, the transfer by this section of the property of the old Councils as designated by subsections (2) and (3) and with respect to the matters mentioned in the First Schedule.

The Senate

Constitution
of Senate

26. (1) There shall be a Senate for each public university which shall consist of the following members:

(a) the Vice-Chancellor;

(b) the Deputy Vice-Chancellor;

(c) the Dean of such schools as may be established within the university;

(d) not more than fourteen professors and associate professors of the university who are not members of the Senate by virtue of other provisions of this section and which number shall include at least one professor or associate professor from a school, nominated by the academic staff in accordance with such election procedure as the academic staff may determine;

(e) the Librarian;

(f) the Directors of the Centres, Institutes, Bureaux or other similar body of the university;

(g) the Dean of Students;

(h) not more than fourteen members of the non-professional academic staff of the university, and which number shall include one person from each academic unit, nominated by the academic staff in accordance with such election procedure as they may determine;

(i) two students of the university who shall be nominated by the students of the university in accordance with such election procedure as the student union may determine; and

(j) four persons appointed by the Vice-Chancellor who shall be persons resident in the Republic and not employed on the academic, administrative or other staff of the university and who are capable of contributing to the academic development and life of the university.

Miscellaneous
administrative
provisions

Transfer of
Property to
University
Council Act,
1987 or
Act No. 19 of
1987

(2) Subject to the other provisions of this section, appointed and nominated members of the Senate shall hold office for a period of three years but shall be eligible for re-appointment or further nomination.

(3) The Vice-Chancellor shall be the Chairman of the Senate and shall preside at all meetings of the Senate at which he is present and, in his absence, the Deputy Vice-Chancellor shall preside.

(4) In the absence of both the Vice-Chancellor and the Deputy Vice-Chancellor from any meeting of the Senate, the members present may elect one of their number to preside.

(5) The Registrar of the university shall be the Secretary of the Senate.

Powers and functions of Senate

27. (1) Subject to the other provisions of this Act the Senate shall be the supreme academic authority of a public university and shall organise, control and direct the academic work of the university, both in teaching and research, and shall have control and general direction of the standards of education, assessment and research within the university.

(2) Without prejudice to the generality of subsection (1) the senate shall have and may exercise all or any of the following powers and functions:

(a) determine the academic policy of the university and advising the Council on the provision of facilities to carry out that policy;

(b) directing and regulating the programmes of instruction and structure of degree, diploma and certificate courses within the university;

(c) regulating and determining the requirements for the admission of persons to the university and to courses of study in the university and their continuance or discontinuance in such courses;

(d) making regulations with regard to all university examinations and standard of proficiency to be attained in such examinations, and appointing examiners;

(e) awarding degrees, diplomas, certificates and making other awards of the university;

(f) promoting, co-ordinating, and controlling the general direction of research within the university;

(g) awarding scholarships and prizes administered by the university;

(h) making recommendations to the Council with respect to—

(i) the establishment of new Schools, Institutes, Bureaux or similar bodies within the university;

(ii) the amalgamation of the existing Schools, Institutes, Bureaux or similar bodies within the university;

(iii) the division of any School, Institute, Bureau or similar body within the university into two or more Schools, Institutes, Bureaux or similar bodies; and

(iv) the abolishing or alteration of any School, Institute, Bureau or similar body within the university;

(i) approving, reviewing, amending, referring back, controlling or disallowing any act of any School, Institute, Bureau or similar body within the university and giving directions to any such School, Institute, Bureau or similar body;

(j) considering and reporting to the Council on any matter relating to, or connected with, the academic work of the university; and

(k) regulating its own procedure and the conduct of its meetings.

(3) The Senate may deprive any person of any degree, diploma, certificate or other award of the university which has been conferred upon him if, after due inquiry, he is shown to have been guilty of fraudulent or dishonourable conduct in obtaining that award.

(4) Any person deprived of any degree, diploma, certificate or other award of a university under subsection (3) may appeal from the decision of the Senate to the Council, and from the decision of the Council to the Chancellor.

(5) The Senate may delegate to any School, Board of Studies, or Committee, as the Senate may appoint, such of its powers and functions as shall seem to it appropriate or expedient, and may revoke such delegation.

28. (1) The Senate shall meet for the conduct of business at such times and at such places as it may decide or, as the Vice-Chancellor may require, but not less than three times during an academic year.

(2) The Quorum at a meeting of the Senate shall be one-half of the total number of members of the Senate.

29. (1) The Senate shall establish Boards of Studies for the purpose of organising the structure and content of courses of instruction and study in the respective disciplines and the co-ordination of studies within such Schools, Institutes or Bureaux or similar body as may be established within the university.

Meetings of Senate

Boards of Studies

(2) A Board of Studies established under subsection (1) shall be composed of such members and such numbers of the academic staff and students of each School, Institute, Bureau or similar body and other qualified persons as the Senate may decide.

(3) The Dean of a School or the Director of an Institute or Bureau or similar body, as the case may be, of a university shall be the Chairman of the Body of Studies for that School, Institute, Bureau or similar body.

30. (1) Deans of Schools and Directors of Institutes, Bureaux or similar bodies shall be elected, from among senior members of the academic staff of the Schools, Institutes, Bureaux or similar bodies concerned, by their academic staff in accordance with such election procedure as they may determine.

Deans of
Schools and
Directors

Provided that in the case of a School, Institute or Bureau or similar body in the process of being established the Vice-Chancellor shall appoint the Dean or Director to hold office for a period of one year but at the expiration of that period the academic staff shall hold elections as provided under this section.

(2) Subject to subsections (1) and (3) the tenure of office of a Dean of a School or Director of an Institute, Bureau or similar body shall be for the period of four years but not more than six years, but he shall be eligible for re-election.

(3) The appropriate Board of Studies may, by a two-thirds majority vote of all the members of the Board of Studies, remove from the office a Dean of School or a Director of an Institute, Bureau or a similar body.

(4) A Dean of School or Director of an Institute, Bureau or similar body shall exercise general superintendence over the academic and administrative affairs of a School, Institute, Bureau or similar bodies and, in particular, shall be responsible for the promotion and maintenance of efficient teaching and research.

31. The Vice-Chancellor shall, in consultation with the Dean of the School or Director of an Institute, Bureau or similar bodies concerned, appoint Heads of Departments from among the senior academic members within each Department.

Heads of
Departments

Staff and Students

32. (1) There shall be three main categories of staff of a public university designated as "academic staff", "administrative staff" and "other staff".

Staff of
public
university

(2) The "academic staff" shall consist of—

- (a) the Vice-Chancellor;
 - (b) the Deputy Vice-Chancellor;
 - (c) the Deans of Schools;
 - (d) the Directors of Institutes, Bureaux or similar bodies;
 - (e) all the members of staff appointed on full-time basis for teaching and research;
 - (f) the Librarian and other library staff designated, by the Council, as academic members of staff; and
 - (g) such other persons as the Council may designate.
- (3) The "administrative staff" shall consist of those persons employed by a university, other than the academic staff, who hold administrative, professional or technical posts designated by the Council as senior posts.

(4) The "other staff" shall consist of those persons employed by a university who are neither members of the academic staff nor of the administrative staff.

Discipline
and removal
of staff from
office

33. (1) If a Council is satisfied that the Vice-Chancellor or the Deputy Vice-Chancellor should be removed from office on grounds of misconduct or of inability to perform the functions of his office, the Council may remove the Vice-Chancellor or the Deputy Vice-Chancellor after obtaining confirmation from the Chancellor.

(2) If the Vice-Chancellor, Dean of Schools, Directors of Institutes, Bureaux or similar body or the Registrar has reasonable grounds for believing that a member of the academic staff, other than the Vice-Chancellor or the Deputy Vice-Chancellor, should be removed from his office or employment on grounds of misconduct or for failure to perform the functions of his office or employment he shall—

- (a) give notice of those grounds to the member in question;
- (b) suspend the member in question from office or employment pending investigations;
- (c) refer the matter to the University Staff Tribunal; and
- (d) make arrangements for the member in question to be afforded an opportunity of appearing before, and being heard by, the University Staff Tribunal with respect to the matter.

University
Staff
Tribunal

34. (1) There shall be established in each public university a University Staff Tribunal to investigate, consider and decide on disciplinary cases referred to it under section thirty-three.

Discipline of Students

38. (1) The Vice-Chancellor shall have power to exercise disciplinary control over students of a public university and impose such penalties as he may consider necessary and may consult any committee appointed from among the members of the university.

(2) The powers of the Vice-Chancellor under section (1) in regard to misconduct committed in Schools, Institutes, Bureau or similar body, Departments, the Library, and Halls of Residence and the imposition of any penalty shall be exercised on his behalf by the Deans of Schools, Directors, Heads of Departments, the Librarian and the Dean of Students respectively.

Provided that in the case of exclusion from study or use of facilities, suspension, or expulsion of a student, a student may appeal to the Vice-Chancellor.

(3) Subject to any disciplinary procedures prescribed in any regulations to be made under this Act, any appeal against penalty under subsection (2) shall be lodged in writing with the Vice-Chancellor within fourteen days of the imposition of the penalty but the penalty shall remain effective while the appeal is pending.

Students Union

39 There shall be a Students Union in each public university. Provided that where a university has more than one campus not located in the same area, there shall be Students Union in each campus.

Salaries and Conditions of Service Committee

40. (1) There shall be a Salaries and Conditions of Service Committee which shall consist of—

- (a) one representative from the Ministry responsible for finance appointed by the Minister responsible for finance;
- (b) one representative from the Ministry responsible for education, appointed by the Minister;
- (c) one member of the Council, elected by the Council;
- (d) one person elected by the academic staff;
- (e) one person elected by the administrative staff;
- (f) one person elected by the other staff; and
- (g) one Member of Parliament appointed by the Speaker of the National Assembly.

(2) The Salaries and Conditions of Service Committee shall review the salaries and conditions of service for all public university staff annually.

(3) The Salaries and Conditions of Service Committee shall, on completion of the review referred in subsection (2), refer its recommendations to Council for adoption.

(4) The Salaries and Conditions of Service Committee shall regulate its own procedure and the conduct of its meetings.

(5) An agreement on salaries and conditions of service shall be concluded by a Council with the appropriate union or association.

University

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(2) The University Staff Tribunal shall consist of the following members:

(a) a person who is, or is qualified to be, a High Court Judge, as a Chairman, appointed by the Chancellor on the advice of the Council;

(b) two persons appointed by the Chairman of the Council from the senior members of the academic staff of the university, on the recommendation of the Senate;

(c) one person appointed by the Chairman of the Council on the recommendation of the Vice-Chancellor and

(d) one person nominated by the academic staff of the university.

(3) The University Staff Tribunal may request any senior member of staff of a department to assist it in the assessment of any particular case.

(4) A decision of the University Staff Tribunal shall be binding on the Council.

35. The Minister shall, by statutory instrument, prescribe the procedure to be followed by the University Staff Tribunal in the determination of disciplinary cases.

36. The application of disciplinary measures to members of the administrative and other university staff shall be in accordance with their conditions and terms of service as laid down.

37. (1) Subject to the procedure stipulated in subsection (2), there shall be a Dean of Students in each public university who shall be appointed by the Vice-Chancellor, on the recommendation of the Senate, from among the academic staff of the university.

(2) For the purposes of appointing a Dean of Students—
(a) the academic members of staff of a university shall nominate for election by the Senate five persons from among the academic staff of the university in accordance with such procedure as they may determine; and

(b) the Senate shall, in accordance with such procedure as it may determine, elect one person, from the five nominees submitted to it under paragraph (a), for recommendation to the Vice-Chancellor for appointment as Dean of Students.

(3) The Dean of Students shall hold office for a period of three years but shall be eligible for re-appointment.

Provided that a person shall not hold office as Dean of Students for a period of more than six years.

Rules by the Minister

Discipline of other staff

Deans of Students

PART III

PRIVATE UNIVERSITIES

Application
and registra-
tion

41. (1) Any person or body of persons desirous of establishing a private university shall make an application for the registration of a university to the Minister in accordance with this Part.

(2) An application for the registration for a private university shall state the schools and courses to be provided by the university and such other particulars as may be prescribed, by statutory instrument.

(3) If the Minister is satisfied that—

(a) the university is necessary to meet the educational requirements of the country;

(b) the premises of the university, including any hostel or other buildings used or to be used in connection with the instruction or accommodation of persons attending the university, are or will be suitable for the purpose;

(c) adequate financial provision has been or will be made for the maintenance of the university;

(d) the proprietor of the university is fit and proper person or body of persons;

(e) suitable instruction will be provided at the university in accordance with a course of study approved by the Minister;

(f) the teaching staff employed or to be employed at the university will be suitably qualified for the purpose;

and

(g) proper compliance will be made with the provisions of this Act applicable to a private university.

the Minister shall cause private university to be registered in the register of private universities and shall issue the proprietor with a certificate of registration.

(4) If the Minister is not satisfied as to any of the matters referred to in subsection (3), the Minister shall notify the proprietor of the university in writing that—

(a) the application is rejected and giving reasons for such rejection; or

(b) the Minister proposes to grant the application after the proprietor has, within such period as the Minister may specify, complied, to the satisfaction of the Minister, with any matter referred to subsection (3) as the Minister may specify.

(5) If the proprietor of a private university, who is notified under paragraph (b) of subsection (4) that the Minister proposes to grant his application for registration subject to compliance with any matter specified in the notice, fails to comply within the period specified by the Minister, the Minister shall reject the application and shall notify the proprietor in writing accordingly.

42. (1) The Minister shall cause to be kept and maintained the register of private university which shall contain such particulars as may be prescribed.

(2) The register shall be open to public inspection at all reasonable times.

Cancellation
of registra-
tion of
private
university

43. (1) Where a registered university—

(a) ceases to comply with any of the provisions specified under section *forty-one*;

(b) is being managed in a manner detrimental to the interests of peace, order or good government or to the physical, mental or moral welfare of the persons receiving instruction at the university; or

(c) has remained closed for a consecutive period of six months or more;

the Minister shall notify the proprietor in writing—

(i) that the registration of the university shall be cancelled from such date as the Minister may specify; or

(ii) that the Minister proposes to cancel the registration of the university unless, within a period fixed by the Minister, the proprietor complies, to the satisfaction of the Minister, with such requirement regarding any matter referred to in this subsection as the Minister may specify.

(2) If the proprietor of a registered university on whom a notice under subsection (1) has been served fails within the period fixed by the Minister, to comply to the satisfaction of the Minister with the requirement specified by the Minister, the Minister shall cancel the registration of the private university and notify the proprietor in writing accordingly.

No refusal
on grounds
of discrimi-
nation
Statutes

44. A person shall not be refused admission to any private university on the grounds of discrimination.

45. (1) Each private university shall issue statutes to govern its administration.

(2) A private university may amend or vary its statutes.

(3) Copies of statutes issued under this section shall be lodged with the Minister within sixty days of issue.

(2) The Council or proprietor shall keep the Minister fully informed on matters of public interest concerning the university and shall furnish the Minister with such information as he may request on any particular matter concerning the university.

52. The Minister may, on the advice of, or after consultation with, a Council of a private university or a proprietor of a public university, make regulations for the better carrying out of the provisions of this Act. Regulations

53. (1) Nothing in this Act shall affect any right, privilege, obligation or liability acquired, accrued or incurred by the Councils of the University of Zambia and the Copperbelt University, established by the University of Zambia Act, 1987, and the Copperbelt University Act, 1987, with respect to the University of Zambia and Copperbelt University, respectively, prior to the commencement of this Act or render defective any legal proceedings then instituted by or against the Council, with respect to the University of Zambia or the Copperbelt University, and any such legal proceedings may be continued by or against the appropriate Council established under this Act after the commencement of this Act. Savings
Act No. 20 of 1987
Act No. 19 of 1987

(2) Nothing in this Act shall affect any resolution, instrument, notice, appointment, act or deed effected or approved by the Senate of the University of Zambia established by the University of Zambia Act, 1987, with respect to the University of Zambia or by the Senate of the Copperbelt University established by the Copperbelt University Act, 1987, with respect to the Copperbelt University. Act No. 19 of 1987
Act No. 19 of 1987

(3) Nothing in this Act shall affect any decision of, or instrument, notice, appointment, act or deed effected by, the Vice-Chancellor or approved by him whether or not on behalf of the Council, Senates or a committee with respect to the University of Zambia established by the University of Zambia Act, 1987, or the Copperbelt University established by the Copperbelt University Act, 1987, prior to the commencement of this Act. Act No. 20 of 1987 and
Act No. 19 of 1987

54. The University of Zambia Act, 1987, and the Copperbelt University Act, 1987, are hereby repealed. Repeal of
Act No. 20
of 1987 and
Act No. 19
of 1987

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Power to confer Honorary Degrees, etc.

46. A private university shall have power to—

(a) confer such degrees as may be specified in its statutes;

(b) award diplomas and certificates and such other academic distinctions as may be specified in its statutes; and

(c) provide such lectures and instructions for persons not students of the university as the university may determine, and to grant certificates to such persons.

Power to confer Honorary Degrees

47. A private university may grant Honorary Degrees in accordance with its statutes.

Examiners

48. All examinations held by a private university shall be conducted in such manner as the statutes and any rules made thereunder may prescribe.

Provided that for degree examinations for the final year and such other examinations for any other degree, as the Minister may from time to time recommend, at least one external examiner shall be appointed for each subject or group of subjects forming part of a course of studies required.

Appointments of statutory manager

49. (1) Notwithstanding any other provisions of this Act, where a private university is closed by an order by the Minister, the Minister may, in the national interest after giving the proprietor an opportunity of being heard, direct that the university be reopened under the management and control of a fit person (in this section referred to as the "statutory manager").

(2) A statutory manager shall be appointed by the Minister for such period and upon such terms and conditions as the Minister thinks fit.

(3) The statutory manager shall, during his term of appointment, keep the Minister informed on all matters relating to the private university under his management and control.

(4) Any expenses connected with the appointment of a statutory manager and the management of a private university by the statutory manager shall be a charge on the revenues of the university to which the statutory manager is appointed.

Fees

50. The proprietor of a private university may charge such fees as may be prescribed in its statutes.

PART IV
GENERAL PROVISIONS

Powers of the Minister

51. (1) The Minister shall convey to a Council of a private university or a proprietor of a private university general or particular Government policies relating to education in Zambia.

SCCHEDULE
(Section 25)

TRANSFER OF PROPERTY

(1) Every agreement to which the old Council was a party immediately before the commencement of this Act, whether in writing or not and whether or not of such nature that the rights, liabilities and obligations thereunder would be assigned by the old Council, shall, unless its term or subject-matter make it impossible that it should have effect as modified in the manner provided by this paragraph have effect from the commencement, so far as it relates to property transferred by this Act to the appropriate Council, as if—

(a) the Council has been a party to the agreement; and

(b) for any reference, however worded and whether express or implied, to the old Council there were substituted, as respects anything falling to be done on or after the commencement of this Act, a reference to the appropriate Council.

(2) Other documents which refer, whether generally or specifically, to the old Council shall be construed in accordance with paragraph (1) so far as applicable.

(3) Any contract entered into before the date of establishment of the appropriate Council on behalf of the old Council by any person duly authorised in that behalf shall have effect as if the Council had been in existence at the date of the contract and had at all times been a party thereto in the place of such person and on any question whether such person was a duly authorised person the certificate of the Minister shall be conclusive.

(4) Any deed executed before the date of establishment of the appropriate Council conferring any benefit upon the old Council shall, subject to this Act, have effect as if the Council had been entitled thereunder to receive such benefits and a reference in any such deed to the old Council shall be deemed to be reference to the Council.

(5) Without prejudice to the generality of the foregoing provisions of this Schedule, where, by operation of law or this Act, any right, liability or obligation vests in the Council, the Council, and all other persons shall, as from the commencement of this Act, have the same rights, powers and remedies and, in particular, the same rights as the taking or resisting of legal proceedings or the making or resisting of legal applications to any authority, for ascertaining, perfecting or enforcing that right, liability or obligation as they would have had if it had at all time been a right, liability or obligation of the Council.

(6) Any legal proceedings or applications to any authority pending before the commencement of this Act by or against the old Council and relating to property transferred by this Act to the Council, may be continued on or after that day by or against the appropriate Council.

(7) Where property is transferred hereunder it is subject beyond the jurisdiction of this Act, then subject to such formalities as the law *in situ* shall require and the Council shall comply with, these provisions shall, without further assurance, be proof of such transfer to the Council by the old Council or other owners, as the case may be.

附属資料 4. スクール・ミーティング資料：(4) ANNUAL REPORT

THE UNIVERSITY OF ZAMBIA
SAMORA MACHEL SCHOOL OF VETERINARY MEDICINE
DEPARTMENT OF BIOMEDICAL SCIENCES

DEPARTMENTAL ANNUAL REPORT 1991/92

1. Name of Department
Biomedical Sciences
2. Name of Head of Department & Qualification.
Dr. D.N. Kisauzi, BVetMed., Dip. Anim. Nutrition, PhD. (Until Aug 1992)
Prof. D.A. Hogg. BVMS, Ph.D. MRCVS (from Nov. 1992)
3. Student Numbers, undergraduate & graduate.
Second year - 16
Third year - 18
Fourth year - 23
Graduate - 2
4. Curriculum changes.
None
5. Staffing situation.

Academic Staff

Prof. D.A. Hogg, BVMS, Ph.D, MRCVS (from Nov. 1992)
Prof. C.E. Lovelace, BSc., Ph.D.
Dr. T.R. Ayliffe, BSc., BVetMed., PhD., MRCVS.
Dr. S. Drozdowski, DVM., MVSc., PhD.
Dr. D.N. Kisauzi, BVet Med. Dip Anim. Nutrition, PhD.
(On Sabbatical Leave from August 1992).
Dr. G. Mwangi, BVM., MSc., (Until Oct. 1992)
Dr. K. Verstraelen, DVM.

Staff Development Fellows:

Dr. K. Choongo, BVM.
Mrs Z.M. Nkhungulu, BSc.
Dr. C. Bishonga, BVM.

Non-Academic

Chief Technician: J. Daka (On secondment to In-Service
Technical Training Unit).
Senior Technician: B. Sakala (Acting Chief Technician)
Technician I: P. Masebe
I. Nyirenda (On Study Leave from Sept. 1992)
G. Kawila
Technician II: G. Sikazwe
2 posts vacant

Asst. Technician: L. Sakala
1 post vacant

Lab. Asst.: L. Ngoma (On Study Leave)
F. Tembo

Lab. Attendant: G. Himoomba

Secretarial Staff

Secretary II: N.N. Hankolwe

Typist: S.S. Tembo

Cleaning Staff:

Cleaner: M. Lungu

Visiting Lecturers.

Prof. D.A. Hogg - Veterinary Anatomy for 4 weeks in Sept.- Oct. 1992.

7. Staff Development

Academic:

Dr. K. Choongo - completed Msc. in Toxicology at University of Surrey.

Dr. Z.M. Nkhungulu - completed PhD. in Biochemistry at ILRAD.

Dr. C. Bishonga - completed MSc. in Animal Nutrition at University of Aberdeen.

Non Academic:

L. Ngoma - on Science Laboratory Technology Course at Evelyn Hre College

I. Nyirenda - on HND course in Medical Laboratory Science at Cardiff Institute for Higher Education.

8. Formal Links with other Universities, any staff exchange or training

British Council Link with University of Glasgow.

This link enabled Prof. Hogg's visit mentioned above. It also allowed Dr. G. Mwangi to attend 3 months course in Animal Welfare at the University of Cambridge.

Prof. C.E. Lovelace acted as External Examiner in the University of Zimbabwe, Faculty of Veterinary Science.

Dr. T.R. Ayliffe acted as External Examiner in Sokoine University of Agriculture, Morogoro, Tanzania.

9. Awards to any Staff

Dr. C. Bishonga and Mr. I. Nyirenda received TCT awards from the British Council for advanced training in the U.K.

Prof. D.A. Hogg received Lecturer of the year award by the students of the Faculty of Medical Sciences. The University of the West Indies, St. Augustine Campus.

10. The Department runs the following research programmes each containing several projects involving all academic staff in the Department and some collaborators from without:

- DEM1: Studies on Indigenous Zambia Goats
- DEM2: Reproduction & fertility in Animals
- DEM3: Mycotoxins and Plant Toxins in Animal Disease
- DEM4: Wildlife Biology
- DEM5: Digestive & Nutritional Biology of Domestic Animals

Consultancy

Shell Chemicals (Zambia) Ltd.

Estimation of Cypermethrin levels in dip liquids.

Prof. D.A. Hogg acted as a Consultant to the Nuffield Foundation for awards to newly appointed science Lecturers in U.K. Universities and as a Consultant for the Physical and Academic restructuring of the Department of Anatomy at the University of the West Indies, Mona Campus.

11. Seminars/Conferences/Workshops attended by staff

Prof. D.A. Hogg attended workshop on Problem Based Learning at the University of the West Indies, St. Augustine Campus.

Prof. C.E. Lovelace attended workshop on Analysis of Animal Production Data using Personal Computers at the International Livestock Centre for Africa.

Papers Presented

Lovelace, C.E.A., Lungu, J.C.N., Aregheore, E.M. and Ramkrishna, V.,
Oestrus cycles and pregnancy in Zambian Indigenous Goats.
Presented at the RCM on Improving the productivity of Indigenous African Livestock using Radioimmunoassay and Related Techniques

Matsukawa, K., Bhaiyat, I., Iida, M. and Ayliffe, T.R.
Cardiomyodegeneration in Albizia versicolor intoxication.
Presented at Japanese Veterinary Association.

Semambo, D.K.N., Kiryapawo, T.S., Eckersall, P.D., Jeffcoate, I. and Ayliffe T.R.

Progesterone and oestradiol 17 β levels in cattle following embryonic loss induced by experimental intrauterine inoculation with *Actinomyces pyogenes*. Presented at International Conference on Reproduction at Nairobi.

12. List of all publications in that year.

- Amoo, C.C. Studies of coccidiosis in Zambian goats. MSc. Thesis, University of Zambia.
- Choongo K. The pharmacokinetics of chiral xenobiotics in vitro MSc. Thesis, University of Surrey.
- Hosseini A. and Hogg D.A. (1991a) The effects of paralysis on skeletal development in the chick embryo. I. General Effects. *J. Anat.* 177, 159-168.
- Hosseini A. and Hogg D.A. (1991b) The effects of paralysis on skeletal development in the chick embryo. II Effects on histogenesis of the tibia. *J. Anat.* 177, 169-178.
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- Ramkrishna, V., Lovelace, C.E. and Sakala L. (1991) Spinal cord mensuration - a comparative study on the spinal cord segments and spinal nerves in Zambian goats. *Bull. Assoc. Anatomistes* 75, 165-169.
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- Semambo, D.K.N., Eckersall, P.D. Sasser, R.G. & Ayliffe, T.R. (1992) Pregnancy-specific protein B and progesterone in monitoring viability of the embryo in early pregnancy in the cow after experimental infection with Actinomyces pyogenes. *Theriogenology* 37 741-748.

Summary of use of Building

1. Offices - 5 single , 2 double
(SDFs accommodated within Laboratories)

2. Laboratory Sizes
5 laboratories each 54 metres² (approx) each
housing 1 - 2 technicians plus 1 SDF in some cases.

3. Animal Accommodation - None

4. Changes recommended to existing building for more efficient utilisation
Erection of partition in anatomy lecture theatre to reduce size and create an adjacent Demonstration Room.

5. Proposed new building or Extension
Erection of extension to include 5 staff offices thus allowing one double office to be employed as Computer Laboratory.

Date: 9th Dec 1992

D.A. Hogg

D.A. Hogg

ASSOCIATE PROFESSOR

HEAD, DEPT. OF BIO.SCIENCES

DEPARTMENTAL ANNUAL REPORT
1991

1. NAME OF DEPARTMENT: CLINICAL STUDIES
2. HEAD OF DEPARTMENT: PROF JOSEPH O OMAMEGBE
3. QUALIFICATIONS: DVM; M.V.M.
4. STUDENT NUMBERS: 6TH YEAR: 18
5TH YEAR: 20
POSTGRADUATE: NIL
5. CURRICULUM CHANGES: NIL
6. STAFFING SITUATION:

- (i) Dr E I Amber. Senior Lecturer in Veterinary Surgery joined the department in March, 1992.
- (ii) Janet Muleya lecturer III in Veterinary Surgery left for training in Japan in July, 1992. She is due back in the Department in March 1993.
- (iii) Dr. Robyn Alders. Lecturer I in Medicine left the services of the University in March, 1992.

Other members of staff during the year being reviewed are:-

- (i) Professor J O Omamegbe Head of Department
- (ii) Dr C J Siame, Lecturer I in Vet Reproduction
- (iii) Dr J de Bont, Lecturer I in Vet Medicine
- (iv) Dr K de Balogh, Lecturer I in Vet Medicine
- (v) Dr F Sabbe Lecturer II in Vet Reproduction
- (vi) Dr I G K Phiri, Lecturer II in Vet Medicine
- (vii) Dr T Mwanza, Lecturer III in Vet Medicine

7. Visiting Lecturers

The department received two visiting lecturers during the 1992 Academic year:

- (i) Professor K Hamana in Theriogenology. He was in the department for a period of 3 months.
- (ii) Dr J Watkins - Visiting lecturer in Veterinary Surgery. Was in the department for 6 weeks.

8. None Academic Members of staff (changes)

- (i) Mr Benkele was seconded to the department as acting Chief Technician. The department has not had a substantive Chief technician since its inception.

- (ii) Mr C B Nkonga. Technician II resigned from the services of he department in 1991.
- (iii) Mrs Chibwe M C, a typist was transferred from the department of Disease Control to Clinical Studies Department in January 1992.

9. Staff Development

- (i) Dr Janet Muleya left for a nine month training in Japan in July 1992. She is due back in the Department in March. 1993.
- (ii) Currently. the department has one Staff Development fellow in the area of Theriogenology.
- (iii) Dr Osman Patel is currently in Japan for a PhD programme in Theriogenology.

10. Research and Consultancy Activities

Academic members of staff are currently engaged in ten research topics (list attached)

Dr C J Siame is engaged in the UNZA Veterinary Consultancy for Mulungushi Investment Limited (Livestock).

11. Seminars/Conferences/Workshop attended by Staff and Paper Presented

Dr K de Balogh attended a workshop and a conference on Wild Life in South Africa from 22-24 October 1992 and 27th to 30th October. 1992.

12. List of Publications during the year under review - None

<u>Titles of Projects</u>	<u>Collaborators</u>
Chemotherapy of Transmissible Veneral Tumour of dogs	J O Omamegbe
Bacterial flora of surgical wounds in Domestic Animals	J O Omamegbe T Mwanza
Survey of Porcine hernias in Commercial Piggeries in Zambia	I G K Phiri J O Omamegbe
Theileriosis in Zambia: Distribution and impact on Traditional sector in Zambia	K de Balogh C J Siame P J de Graaf L Saiwana A Nambota
The role of the buffalo as a reservoir of diseases transmissible to cattle in Zambia	K de Balogh A Nambota L Saiwana
Gonadotrophic dysfunction and alteration of hormones in cattle infected with trypanosomiasis	F Sabbe J De Bont J Vercruysee M Syakalima
Epidemiology of Gastro-intestinal nematodes in cattle in Central Zambia	F Sabbe J De Bont J Vercruysee
Comparative studies in Pyloric outflow surgeries in dogs	J O Omamegbe
Intermediate host actual incidence and/or prevalence of fascioliasis in Mongu, and Senanga Districts	I K Phiri K Samui G Pandey J de Bont
Epidemiology of cattle Schistosomiasis in Zambia	J de Bont F Sabbe J Vercruysee

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE

DEPARTMENT OF DISEASE CONTROL
DEPARTMENTAL ANNUAL REPORT

FOR 1992

PROF. T. KAJI, D.V.M., Ph.D.
HEAD OF DEPARTMENT

THE UNIVERSITY OF ZAMBIA
SAMORA MACHEL SCHOOL OF VETERINARY MEDICINE

DEPARTMENTAL ANNUAL REPORT

1. Name of Department
2. Name of Head of Department and qualifications.
3. Student members - Undergraduate and Postgraduate
4. Curriculum changes
5. Staffing situation, Academic and Non-Academic
6. Visiting lecturers
7. Staff Development, Academic and Non-Academic
8. Formal links with other Universities, any staff exchange or training
9. Awards to any staff
10. Research and consultancy activities
11. Seminars/Conferences/Workshops attended by staff and any papers presented
12. List of all publications in that year.
13. Research Report.

DEPARTMENT OF DISEASE CONTROL

DEPARTMENTAL ANNUAL REPORT FOR 1992

1. Name of Department - Disease Control
2. Name of Head of Department and Qualifications -
Prof. T. Kaji, D.V.M., PhD.
3. Student Numbers - Undergraduate and Postgraduate -

Undergraduate - 5th Year - 20
6th Year - 18

Graduate - Nil

4. Curriculum Changes
VMD 511 (Veterinary Epidemiology and Economics) has been discussed for strengthening at Curriculum Review Committee Meeting of Veterinary School. It will be changed from half course to full course (VMD 540) and waiting approval of Senate.
5. Staffing Situation

During the year 1992 the staffing situation in this department was very satisfactory both for Academic and non-Academic position. This was so due to JICA staff support programme and British Council Link Programme. The situation improved much more due to joining of two Zambian academic members during the year after completing their degrees from overseas. The staffing situation is as follows as on 1st December, 1992.

a. Academic

1. Prof. T. Kaji, DVM, PhD.
2. Dr. G.S. Pandey, B.Sc. Agric., B.V.S.Sc., M.V.Sc.
3. Prof. K. Kobayashi, DVM, PhD. (Joined in November, 1992).
4. Dr. J.E.D. Mlangwa, BVH, DPVM, PhD.
5. Dr. K.L. Samui, DVM, MSc (On study leave for PhD)
6. Dr. H. Chitambo, MSc, PhD.
7. Dr. L.M. Tuchili, BVH, MSc.
8. Dr. A. Hambola, BVH, MSc.
9. Dr. A. Hweene, BVH, MSc. (On study leave for PhD)
10. Dr. H. Ngoma, BVH, MSc. (On study leave for PhD)

11. Dr. H. Hirai, DVM, MSc. (Joined in August, 1992)
12. Dr. K. Hirowatari, DVM, MSc. (Joined in January, 1992)
13. Dr. M. Syakalima, BVH (Returned in October, 1992)
14. Dr. P. Chilonda, BVH (Joined in October, 1992 as SDF)

b. Non-Academic

15. Mr. W. Ulaya, Chief Technician
16. Mr. L.N.K. Zulu, Senior Technician
17. Mr. C.H. Mubita, Senior Technician (Working in Paraclinical)
18. Mr. L. Mwanza, Technician I
19. Mr. H.M. Chimana, Technician I
20. Mr. G. Nawa, Technician I (Joined in May 1992)
21. Mr. H. Sinsungwe, Technician II (On study leave)
22. Mr. I. Nyambe, Assistant Technician
23. Mr. B. Malunda, Assistant Technician
24. Mr. A. Eiemba, Lab. Assistant
25. Mr. G.M. Nyeleti, Lab. Assistant
26. Mr. Y. Chama, Lab. Assistant
27. Miss N. Kwaleyela, Lab. Assistant
28. Miss I. T. Musonda, Secretary
29. Mrs. W.M. Chanda, Typist

c. Resignation/Departures (Academic)

Prof. Nakamura, JICA expert resigned in July, 1992 after completing his tenure.

d. Non-academic

Mr. S. Bwalya passed away in April, 1992.

6. Visiting Lecturers

a. JICA Short Term Expert

Prof. C. Kaneuchi came to teach Environmental Hygiene and Laboratory Animal Science (VMD 630) for three months in June 1992.

b. British Council Short Term Expert

Mr. Jonathan Rushton came to teach livestock economics for 4 weeks.

7. Staff Development

Academic

a. Mr. H. Chitambo - Lecturer returned after completing his PhD in Protozoology from Osaka, Japan.

b. Dr. A.S. Mweene, Lecturer went to Japan in April, 1991 to do his PhD in Veterinary Virology.

c. Dr. M. Syakalima (SDF) returned to School after completing his M.Sc. from University of Edinburgh (UK) in 1992.

d. Dr. Pius Chilonda joined as SDF in Epidemiology.

e. Dr. L.M. Tuchili, Lecturer visited United Kingdom and attended a Workshop on "Recent advances and current concept in Tropical Veterinary Medicine" with effect from 1st April, 1992 to 15th April, 1992 at CTVM - Edinburgh. Central Veterinary Laboratory, Weybridge & Animal Virus Research Institute, Pirbright. This was sponsored by British Council under Link Programme.

Non-academic

Mr. H.M. Chimana, Technician I returned back in June, 1992 after ten (10) months training in Japan.

8. Formal links with other Universities, any staff exchange or training

A. Japan

a. NIPPON University, Veterinary Science. JICA counterpart training - Mr. H. Sinsungwe (Diagnosis of parasitic disease under supervision of Prof. Inoue).

b. Hokkaido University, School of Veterinary Medicine. Mombusho Scholarship for PhD study for 1992 - Dr. A.S. Mweene (Virology under supervision of Prof. Shimizu).

- c. National Institute for Environmental Studies (NIES) Tsukuba, Japan. "Joint research on effects of enlargement of domestic animal pasture on the wildlife animal in the developing country." Prof. A. Suzuki from Japan visited in connection of above research from 26th November, 1992 to 8th December, 1992.

B. United Kingdom

University of Edinburgh. Dr. Syakalima went to United Kingdom in August, 1991, and came back in October, 1992

9. Awards to any staff

None

10. Research and Consultancy Activities

- a. Research Project - Seven of ten research projects proposed (on-going) have been funded by the University and other three projects have been funded by the Norwegian Government. Also, four new researches have been proposed in this Department.
- b. Diagnostic Services - In 1992, a total of 1,719 samples of more than 10 animal species and human were submitted for diagnosis as shown in attached table. A total kwacha of 180,000.00 was realised from the clients.
- c. Dr. Chitambo has been serving as the University of Zambia contact with the European Community sponsored Regional Tsetse and Trypanosomiasis Control Programme covering Malawi, Zimbabwe, Mozambique and Zambia.

11. Seminars/Conferences/Workshops attended by staff and any papers presented

A. In Zambia

- a. Dr. Chitambo presented a seminar at the Central Veterinary Research Institute (Balmoral). "Field validation and the use Ag-ELISA to sero-monitor the effectiveness of a tsetse and trypanosomiasis control campaign" in the Gwembe Valley - Zambia in July 1992.
- b. Dr. Chitambo presented a paper in "In vivo assessment of drug sensitivity of African trypanosomes using the Akinetoplastic induction test". The 8th Veterinary and Tsetse Symposium in Mongu in September 1992.
- c. Dr. Chitambo attended a workshop at the FAO Training Center on "The SADCC personal training in Tsetse and Trypanosomiasis control methods" in October, 1992.

- d. Dr. Tuchili attended a WHO working group meeting on "Anthrax Control and Research with special reference to national programme development in Africa" held in Mongu, Zambia in September 1992.
- e. Dr. Tuchili attended an international seminar on "Rabies in Southern Africa" in Lusaka in June 1992.

B. Out of Zambia

- a. Dr. Chitambo presented paper on "Trypanosoma Congolense (The use of 4,6-diamino-2-Phenyl indole (DAPI)) in the akinetoblastic induction sensitivity test" at Japanese Veterinary Association Annual Conference in April, 1992.
- b. Dr. Tuchili attended a course on Recent Advances in Tropical Veterinary Medicine, Edinburgh, United Kingdom in April, 1992.
- c. Dr. Tuchili attended a seminar on "Differential Diagnosis of Facial Dermatitis at the University of Glasgow, United Kingdom in May, 1992.
- d. Dr. Nambota attended a workshop organised by the International Technology Development Group on "Village based animal health care" in Nairobi, Kenya in March, 1992.
- e. Dr. Nambota attended the 3rd International Wildlife Ranching Symposium in October 1992 in Pretoria, South Africa.
- f. Dr. G.S. Pandey attended a workshop on "Infectious diseases of wild mammals" in Skukuza, South Africa and presented paper on "Recent epizootic of Anthrax in wildlife in Zambia" in October, 1992.
- g. Dr. G.S. Pandey attended the 3rd International Wildlife Game Ranching Symposium in Pretoria in October, 1992. He also presented paper on "Heartwater in Translocated Lechwe in Zambia".
- h. A. Suzuki, A. Takahashi, A. Hyashidami, G.S. Pandey, E.T. Mwase, and T. Kaji (1992) Mixing rate of domestic cattle and wildlife animals in Zambia. Paper presented in 113th Japanese Veterinary Conference, Tokyo, 1-4th April, 1992.
- i. A. Takahashi, A. Hyashidami, G.S. Pandey, E.T. Mwase, T. Kaji and A. Suzuki (1992). Serological diagnosis of New Castle Disease virus and salmonella pullorum among guinea fowl in Zambia. Paper presented at 85th Conference on Zootechnology, Tokyo, 4th March, 1992.

12. List of all Publications in that year

- a. H. Chitambo, Arakawa and Ono (1992). In vivo assesment of drug sensitivity of African Trypanosomes using the akinetoblastic induction test. Research in Veterinary Science 52, 243 - 249.
- b. H. Chitambo, Arakawa (1992). Trypanosoma Congolense - the in vitro akenetoblastic induction sensitivity assay. Parasitology. Research 78. 136 - 141.
- c. L.M. Tuchili, G.S. Pandey and T. Kaji (1992). Anthrax in cattle, wildlife and humans in Zambia. Vet. Record (in press).
- d. L.M. Tuchili, G. Mubita and W. Ulaya (1992). Isolation of Aeromonas hydrophila from the Elands (Tansotragus oryx). Bulletin of Animal Health (in press).
- e. L.M. Tuchili, M. Ewalya (1992). Isolation of stropococcus uberis from a mongrel with pyometra. Bulletin of Animal Health (In press)
- f. G.S. Pandey and R.N. Sharma (1992). Spontaneous tumours of the duck in the Republic of Zambia. Indian Vet. Journal 69 : 76-77.
- g. G.S. Pandey, D. Minoyi, Y. Hasebe and E.T. Mwase (1992). Heartwater in Kafue Lechwe (kobus leche kafuensis). Revue Elev. Med. Vet. Pay Trop. France.
- h. G.S. Pandey, R.N. Sharma and M.A.O. Awan (1992). Prevalence and Epizocology of bovine dermatophillosis in Zambia. Zambia Journal for Science and Technology (accepted).
- i. Y. Tsutsumi, D.N. Kisauzi, J.E.D. Mlangwa (1992). Co-operation in Veterinary Education between Sub-Saharan Africa and developed countries. Lessons from the University of Zambia Experience in Revue Scientific at Technique (OIE) submitted for publication.
- j. Y. Tsutsumi, D.N. Kisauzi, J.E.D. Mlangwa (1992). Donor recepiant interactions and their impact on Veterinary Development in Emergent African Schools, "Technology and Development".

13. Research Report

(1992) National Institute for Environmental Studies,
Tsukuba, Japan.

Title: Joint Research on effect of enlargement of
domestic animal pasture on the wildlife animal
in the developing country.

A. Suzuki., S. Takahashi., S. Yamamoto., K. Kaneko.,
H. Hayashidani, G.S. Pandey., E.T. Mwase
and T. Kaji

TABLE SHOWING ANIMAL SPECIES NUMBER OF CLIENTS AND NUMBER/TYPE OF SPECIMENS
 RECEIVED AND PROCESSED IN THE DIAGNOSTIC LABORATORY DURING THE PERIOD 1st JANUARY
 TO 6TH NOVEMBER, 1992

TYPE OF SPECIMEN SPECIES / CLIENTS	AUCIFES/GEN. EXAM.	BLOOD HAEM.	B/YEAR PROTO	EMIDES (HEIM)	SKIN (ECTO)	SERUM (SERO)	SERUM (EUCOM)	TISSUE (ECT)	MILK (BCT)	OTHER (BCT)	TISSUE (HISTO)	SPRAIN (RAJES)	OTHER	TOTAL
Equine	114	76	60	15	1	286	68	5	83	18	9	8	-	637
Avian	134	-	-	9	1	17	-	11	-	35	2	-	-	484
Canine	260	82	9	7	21	-	42	-	-	77	23	13	10	314
Equine	46	55	9	15	2	1	7	1	-	6	3	2	-	102
Porcine	8	-	-	1	-	-	-	1	-	9	1	-	-	19
Ovine	16	3	1	55	-	7	-	1	-	48	2	1	-	122
Caprine	4	-	16	-	-	-	-	-	-	-	-	1	-	18
Feline	9	-	-	-	-	-	1	-	-	2	-	3	1	7
Human	2	1	-	-	-	-	-	-	-	1	-	-	-	2
Other	9	-	3	-	-	-	-	1	-	4	1	1	-	14
TOTAL	602	217	98	102	25	311	118	20	83	200	41	29	11	1,719

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE

DEPARTMENT OF PARACLINICAL STUDIES
DEPARTMENTAL ANNUAL REPORT FOR 1992

Prof. Y. Tsutsumi DVM. PhD.

HEAD OF DEPARTMENT

DEPARTMENT OF PARACLINICAL STUDIES
DEPARTMENTAL ANNUAL REPORT FOR 1992

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1.1. Staffing Situation

1.1.1. Department Head of Paraclinical Studies

Name and Qualification

1. PROF. Y. TSUTSUMI = DVM (TOKYO).
Phd. (OSAKA).
PROFESSOR PARASITOLOGY

1.1.2. Present Staffing (up to 30.11.92)

Appendix - I

a. Academic Staff

Total number is seven. Two Professors and 4 Lecturers are appointed in three Laboratories as follows:

1. Pathology Laboratory
2. Microbiology Laboratory
3. Parasitology Laboratory

Number of Zambian Academic Staff is three but Mr. R. Muimo is on Study Leave for Phd. Programme which has been extended to October 1993.

1. Dr. M. Musonda (Lecturer I) Pathology
2. Dr. E.T. Mwase (Lecturer I) Parasitology (Entomology)
3. Dr. R. Muimo (Lecturer III) Parasitology (Helminthology)

We have no Zambian Academic Staff in the Microbiology Laboratory.

b. Secretarial Staff

Mrs. B.C. Lukwesa was appointed as Departmental Secretary as of 1st October, 1991.

There is no Typist in the Department of Paraclinical Studies.

c. Technical Staff

Total number is twelve. 2 Technical Staff are on study leave and the Chief Technician is on suspension. Accordingly, actual number is nine (3 in Pathology Laboratory, 2 in Microbiology Laboratory, 4 in Parasitology Laboratory and one in Washing room).

d. Staff Development Fellow (SDF)

There are three SDF's are in our Department. One SDF in each Laboratory. Dr. Bhaiyat is on study leave for a Phd. programme at Hokkaido University in Japan. Dr. A. Mulenga is on study leave for Msc. programme at Liverpool University in in the United Kingdom.

Dr. A. Mulenga - Parasitology Laboratory
Dr. B. Namangala - Microbiology Laboratory
Dr. I.M. Bhaiyat - Pathology Laboratory

e. House Surgeon (H.S.)

Dr. Mwase is on study leave for his MSc. programme at the Swedish University

1.1.3. New Staff and Staff Loss

a. Academic Staff

Dr. T. Kakuda (Parasitology) joined as successor to Dr. Yumura and appointed as Lecturer III. a successor for Dr. Madarame (Pathology) has not yet been decided on.

Table -1

Name of Staff	Arrival	Departure
1. Dr. H. Madarame	-	08.11.91
2. Dr. M. Okumura (Pathology)	-	17.07.92
4. Dr. N. Seki (Parasitology)	-	17/07/92
5. Dr. T. Kakuda (parasitology)	24/08/92	

b. Technical Staff

No staff change.

1.1.4. Visiting Lecturer and External Examiners

Four visiting Lecturers were invited for Lectures and practicals for 4th year Students in Veterinary Immunology, Pathology and Entomology. One External Examiners was invited to the final examinations for Veterinary Pathology.

Table 2

Name of Staff	Arrival	Departure
1. Prof. Y. Yamaguchi (Miyazaki University)	12.12.1991	(12.03.92)
2. Dr. S. Tateyama (Miyazaki University)	21.04.92	(19.06.92)
3. Dr. K.P. Snowden	07.04.92	(27.11.92)
4. Prof. M.J. Obwolo (Unive. of Zimbabwe)	22.11.92	(27.11.92)
5. Mr. B. Mwanama (CVRI)	13.05.92	(14.05.92)

1.1.5. Appointments and Reappointments

Date of Appointment and Reappointment for all Academic Staff as summarized in table-1 as future Management.

TABLE-3

STAFF	TITLE	DATE OF APPOINTMENT
Prof. Y. Tsutsumi	Professor	22.07.88
	UNZA Senate	01.10.92
Prof. A. Kumar	Assoc. Professor	21.01.91
Dr. M. Musonda	Lecturer I	14.01.91
Dr. E.T. Mwase	Lecturer I	01.05.92
Dr. R. Muimo	Lecturer III	15.10.86
Dr. I.M. Bhaiyat	S.D.F.	03.04.90
Dr. A. Mulenga	S.D.F.	04.12.90
Dr. B. Namangala	S.D.F.	11.04.92
Dr. M. Mwase	House Surgeon	04.12.90

1.1.6. Awards and Suspensions

Mr. S. Chisembe's suspension is continuing until the University authorities make a final ruling on his fate, although he was acquitted in court for the charge.

1.1.7. Staff Development Programme

a. Academic Staff

Four Zambian Academic Staff (six staff) have participated in various development programmes during the past year. The Phd. course for Mr. Muimo was sponsored by UNZA.

Staff Development Programme for UNZA Academic Staff (Table-4)

NAME	S. D. PROGRAMME	DURATION
1. Dr. E. T. Mwase	National Institute of National Health, Japan (JICA)	07-92 - 10-92
2. Dr. R. Muimo	Phd. Course (UNZA) Univ. of Leeds, U.K.	10/89-10/93
3. Dr. I.M. Bhaiyat	Phd. Course (Mombusho) Hokkaido Univ. Japan	04/90-03/94
4. Dr. A. Mulenga	MSc. Course (ODA) Liverpool University UK.	06/92-07/93
4. Dr. M. Mwase	MSc. Course Swedish University Sweden	10/92-11/93

b. Technical Staff

Technicians Programme for five staff has been supported by different organisations namely JICA, ODA, UNZA AND JOCV.

Staff Development Programme For Technical Staff

		TABLE - 5	
		S. D. PROGRAMME	DURATION
1.	Mr. P.G. Phiri	Technicians Programme (JICA) Hokkaido University, Japan	08/91-05/92
2.	Mr. J. Lungu	Technical Programme (JOVC) Japan	06-91-03-92
3.	Mr. D. M'ule	Training Programme (JOVC) Osaka Prefecture University Japan	06.92-11.92
4.	Mr. J. Mulenga	Training Programme (UNZA) Evelyn Hone College	02.11.92 -94

The following training programme has been recommended at the School Staff Development Committee:

Mr. A. Chota	- Training Programme (JICA)	06.93 - 03.94
Mr. P. Chama	- Training Programme ILRAD, Kenya	01.93 - 03.93

1.1.3. Staff Involvement in Committees and Student Counselling

The following persons participated in University/School Committees:

Prof. Y. Tsutsumi

- (a)
1. The Senate
 2. Board of Studies, School of Veterinary Medicine
 3. Scholarship and Prize Committees
 4. Research and Grants Committee
 5. Deans Advisory Committee (Academic)
 6. Promotions Committee (Academic)
 7. Promotions Committee (Non Academic)
 8. Staff Development Committee
 9. Post Graduate and Higher Degree Committee
 10. University Teaching Learning Improvement Committee
 11. Grading System Sub-Committee
 12. Thesis examining Committee for Mr. C. Amoo
 13. Senate Higher Degree Committee
 14. Thesis Examining Committee for Mrs. Amoo
 15. School Curriculum Review Committee
 16. School Research Committee
 17. School Development Committee
 18. Disiplinary Committee
 19. Board of Studies, School of Graduate Studies.

(b) Prof. A. Kumar

1. Board of Studies, School of Veterinary Medicine
2. School Library Committee
3. Vacational and Practicals Committee
4. Student Disciplinary Committee
5. Diagnostic Services Committee
6. Postgraduate and Higher Degree Committee
7. School Curriculum Review Committee (Chairman)
8. School Research Committee
9. Teaching Advisory Committee
10. Counsellor for 5th year Students.
11. Research and Grants Committee
12. Safety Committee (School)

(c) Dr. M. Musonda

1. Board of Studies, School of Vet. Med.
2. Library Committee
3. Vacational and Practical Committee
4. Animal Ethics Committee
5. The Senate
6. Appointments Committee, Senior Administrative Staff, Technical and Professional Staff.
7. Museum Establishment Committee
8. School of Agricultural Sciences Board of Studies
9. Council of the University of Zambia
10. Editorial Board, UNZA Veterinarian
11. Examination irregularities of UNZA
12. School Consultancy Committee

(d) Dr. E. T. Mwase

1. Board of Studies, School of Veterinary Medicine
2. Teaching Co-ordination Committee
3. Part-time Studies Committee
4. Travelling and Grants Committee
5. Grading Systems Sub-Committee
6. Counsellor for 4th year Students
7. Board of Studies Centre for Continuing Education
8. Co-ordinator, School Hand book
9. Coordinator, School Brochure
10. Teaching and Learning Improvement Committee

(e) Dr. T. Kakuda

1. Board of Studies, School of Veterinary Medicine
2. Animal Accommodation Committee
3. Safety and Protective Clothing Committee

(f) Mr. C. Mubita

1. Safety and Protective Clothing Committee
2. Technical Advisory Committee
3. Non-Academic Staff Development Committee
4. Non-Academic Promotion Committee
5. Safety and Health Committee
6. Technical In-Service Training Committee

1.2.0 Departmental Budget

1.2.1. General Expenditure

K1,184,943.00 in total was given to Paraclinical Studies. The total budget for 1992 is 475% times of last years budget.

GENERAL EXPENDITURE BUDGET - 1992 BUDGET

		TABLE-6		
		1990 BUDGET	1991 BUDGET	1993 Budget
1.	Drugs and Chemicals	12,300.00	K20,000.00	142,395.00
2.	Elect. & Elect. Supplies	442.00	248.00	1,765.00
3.	Glassware	3,540.00	1,988.00	17,506.00
4.	Miscellaneous Supply	442.00	3,000.00	2,501.00
5.	Other Supplies	1,770.00	18,600.00	131,292.00
6.	Office Furniture	-	114,000.00	389,149.00
7.	Office Equipment	-	90,000.00	500,335.00
<u>Total</u>		<u>K18,494.00</u>	<u>K247,836.00</u>	<u>1,184,943.00</u>

1.3.0 Visitors and Contacts

The Heade of Department contacted 752 outside persons in 1992

Major visitors were as follows:

1. Mr. J. Mwanakatwe, Chancellor, UNZA
2. Mr. S. Horiuchi, Japanese Ambassador
3. Mr. K. Kamiya, Resident Representative, JICA Office
4. Prof. D.S. Kilonzo = Sokoine University
5. Dr. H. Kanagawa, Chairman
6. Prof. J.A.W. Coetzer, University of Pretoria.
7. Prof. A. Arakawa, Osaka Prefecture University

Major purpose for the visitors and their cumulative numbers are summarised in table - 9

Number of contacts for our Department was 157% increased compared to 1991.

Record of Visitors-1992

		Table-9 7
Organisation	No. of Visitors	Purpose
1. diet Member (Japan)	2	Study Tour
2. Ministry of Foregin Affairs	7	Study Tour
3. Ministry of Eduction	1	Consultation
4. Ministry of Agriculture & Forestry	3	Consultation
5. Embassy of Japan	12	Meeting
6. Japan International Coop. Agency (JICA)	137	Study Tour
7. Japan Overseas Coop. Volunteer (JOCV)	41	Study Tour
8. University/College	68	Research Contribut
9. Veterinary Association	42	Study Tour
10. Outside Institution	79	Study Tour
11. Commercial Farmers	102	Diagnosis
12. Other Donors	72	Study Tour
13. Wild Life	23	Research Contribut
14. Others	144	
752		

* Including JICA Mission

1.4.0 Departmental Linkage with other Universities and Institutions

Educational and Research Contributions are the major Departmental Linkage.

Invitations for external examiners/part time Lecturers and training programmes for Academic/Technical staff are included in educational Linkage.

In order to promote international academic exchange, the Department of Paraclinical Studies, School of Veterinary Medicine, University of Zambia and the Department of Veterinary Medicine, Faculty of Agriculture, Miyazaki University entered an agreement to:

1. Exchange of Scientists and students for mutual benefits.
2. Joint collaboration, where feasible, in researches of mutual concern.
3. Exchange and provide academic information in the form of publications and other Scholarly communication.

The details of research linkage are as follows:

Research Activity

African Countries and Within Zambia

- | | |
|--|---|
| 1. University of Zimbabwe | External examiners in various subjects in the areas of Parasitology, Microbiology and Pathology. - Prof. Obwolo |
| 2. International Centre for Insect Physiology and Ecology Kenya (KIPE) | Research |
| 3. Central Veterinary Research Institute | Mr. B. Mwanachuma was invited as a part-time Lecturer for Entomology |
| 4. Zambia Institute of Animal Health (ZIAH) | Conducted Laboratory Practical Course for Assistant Technicians |
| 5. Department of Veterinary and Tsetse Control Services (DTCS) | Mr. B. Lumbamba invited for Tsetse Management Lecture VMP440 |
| 6. International Laboratory for Research in Animal Diseases (ILRAD) | Research Collaboration under discussion. Training programme for Mr. Chota has been decided. |

Other Countries

1. University of Nippon Zooten College, Japan Educational Collaboration with Prof. Ishi & Prof. Tsutsumi
2. Iwate University (Japan) Research Collaboration with Prof. Sakamoto & Dr. Yamura
3. Azabu University (Japan) Technical Collaboration is still on.
4. Hokkaido University (Japan) Postgraduate training for Dr. Bhaiyal (PhD.)
5. Azumino Agricultural School (Japan) Mr. S. Chisembe underwent one months training course in Soya Nutrients.
6. Institute of Veterinary Research (Belgium) Mr. D. M'ule underwent 3 months training course in diagnosis of BVD.
7. University of Glasgow (UK) Mr. C. Mubita underwent 2 years training in Microbiological techniques.
8. National Institute of Animal Health (Japan) Research protocol is underway.
9. Nippon University (Japan) Co research project is underway with Prof. Inoue. Mr. M'ule is undergoing training programme.
10. Miyazaki University (Japan) Research collaboration has started with Prof. Yamaguchi (preliminary)
11. Katsai University (Japan) Research Linkage is still continuing with Dr. Madarame
12. Central Research Centre of Sumitomo Sumitomo Chemical Dr. E. T. Mwase

1.5. Facilities and Apparatus

Following facilities and Construction have been supported by JICA.

1. New Incinerator
2. Students Microscope
3. Shelf for Laboratory
4. Hoist for PM Room.
5. Large Refrigerator for P.M. Room

The following is under consideration:

1. Burglar Bars for Departmental Buildings
2. Repairing of Internal Telephone System
3. Facility Establishment of Entomology Laboratory

1.6. Departmental Meeting

Departmental Meetings are organised on a monthly basis. All Departmental Staff are invited and following Agendas are discussed as all members of staff should be able to understand the financial and manpower background.

1. Staffing
2. Information From Committee Meetings
3. Schedule of Committee Seminars and Congress
4. Education Programme
5. Research Programme
6. Budget
7. A.O.B.

2.0.0. TEACHING ACTIVITIES

2.1.0. Number of Undergraduate Students (4th Year)

1. Veterinary Pathology (VMP410) = 23
2. Veterinary Microbiology (VMP430) = 23
3. Veterinary Parasitology (VMP440) = 23
4. Infectious Diseases of Livestock (VMD515) = 20
5. Veterinary Laboratory Practice (VMP403) = 23

Name list for 4th year students (Appendix -2)

2.2.0. Curriculum for Undergraduates

The department of Paraclinical Studies offer the following course units for 4th year students of Veterinary Programme. The details of the teaching programme are summarized Appendix 3-5.

1. VMP410 = Veterinary Pathology Unit I (Appendix -3)
2. VMP430 = Veterinary Microbiology Unit I (Appendix -4)
3. VMP440 = Veterinary Parasitology Unit I (Appendix -5)

No changes have been proposed in the above course during the year. The time-tables are shown in (Appendix - 6)
Academic staff of Paraclinical Studies have been involved in the following courses:

1. Infectious diseases of Livestock (VMD515)
2. Animal Production and By-product (AGA 563)

2.3.0. Curriculum for Postgraduate

2.3.1. Masters Programme

Masters Degree in diagnostic Veterinary Medicine has been approved by Senate Higher Degree Committee. The Department of Paraclinical Studies will offer the following courses for the Masters Degree Programme.

Masters Degree in diagnostic Veterinary Medicine has been approved by Senate Higher Degree Committee. The Department of Paraclinical Studies will offer the following courses for the Masters Degree Programme:

1. Diagnostic Pathology (VMP 710) 1 unit
2. Clinical Microbiology (VMP 730) 1 Unit
3. Clinical Parasitology (VMP 740) 1 Unit

2.4.0 S.D.F. Programme

Staff Development Programme was handled by Dr. E. Mwase and Prof. S. Imai for Dr. A. Mulenga.

S.D.F. Programme for Dr. B. Namanagala was supervised by Prof. A. Kumar.

2.5.0. Examination Arrangement

Written practical and oral examination has been arranged for 9th -21st November 1992 (appendix -7).

Prof. J. Obwolo was invited from the University of Zimbabwe as an External Examiner for Veterinary Pathology (VMP410).

3.0.0 RESEARCH AND CONSULTANCY ACTIVITY

3.1.0. Research Projects

The following 16 projects are underway

- | | |
|--|--|
| 1. Studies on Staphylococci from Milk and Milk products in Zambia | A. Kumar
D.S. Pandey
G. Sato (left)
Y. Tsutsumi |
| 2. Immune Responses of Calves and Rabbits to Ticks | E. T. Mwase
D.S. Misra |
| 3. Survey and Experimental Treatment on Coccidia in Crocodile Farms | Y. Tsutsumi
T. Kakuda
M. Iida |
| 4. Pathological study on infectious Diseases of Domestic animals in Zambia | M. Musonda
H. Madarame (left)
E. T. Mwase |
| 5. Survey on Toxoplasma antibody in Man and animals | Y. Tsutsumi
N. Watanabe
T. Kakuda |
| 6. Survey on Dog Coccidia | T. Kakuda,
I Inoue
Y. Tsutsumi |
| 7. Ciliate protozoa in the rumen of wild ruminants in Zambia | Y. Tsutsumi
S. Imai
T. Kakuda |
| 8. Epidemiology of Calf Mortality in Lusaka | J.E.D. Mlangwa
K. Samii
A. Mulenga |
| 9. A Survey of parasites on free range chickens | T. Kakuda
Y. Tsutsumi |
| 10. Clinical Pathological and Serological Study on Heart water (Cowdria ruminantium injection) | M. Musonda
T. Kakuda |
| 11. Taxonomical Study on Parasites of Rodents in Zambia | H. Sato
E. T. Mwase
T. Kakuda
A. Mulenga |

- | | | |
|-----|---|--|
| 12. | Immunohistochemical Study of Tumours in Animals | M.M. Musonda
J.O. Omamegbe |
| 13. | Pathological Survey on Wild Animal Diseases in Zambia | M.M. Musonda
N. Madarame |
| 14. | A survey of Sarcocystis on Wild Game | Y. Tsutsumi
T. Kakuda
I. Inoue |
| 15. | Survey on Parasites of Freshwater Fish and Snails | N. Seki (left)
H. Sato |
| 16. | Survey on Cockroaches | E. T. Mwase
Y. Tsutsumi
A. Mulenga |

3.2.0 Research Consultancy

3.2.1. Thesis for Masters Degree

Prof. Y. Tsutsumi was appointed on the Examinations Board for the following examination papers:

1. Mrs. C. Amoo = Study on Coccidiosis in Zambian Goats
2. Mr. S. Luguru = Acaricide resistance in Phipicephalus appendiculatus, ambylonma varigatum and Boophilus decoloratus in Southern and Central Province of Zambia.

3.2.2. Thesis for PhD.

PhD. Thesis for Mr. M. I. Mwangelwa has been evaluated by the Board of Examiners. (The Chairman = Prof. Y. Tsutsumi) the title of his thesis is Ecology and Vectoral capacity of glossoma fucipes Newstead 1910 on Lusingu island and along the shores of Lake Victoria, Kenya.

Mr. M. I. Mwangelwa will be awarded his Ph.D Degree at the next graduation Ceremony.

3.3.0 Seminars/ Conferences/ Workshops/presented by Staff:

Seminars, Conferences, Workshops attendancy by Staff or any paper presente/managed by the staff of the Department of Paraclinical Studies are as follows:

1. Dr. E.T. Mwase
Attended: The 8th International Symposium on National Products at Ile-Ife, Nigeria.
Date: 22nd-24th November 1992
Title: Plant arthropod interaction with particular reference to the legume cassia absus and ticks in Zambia - a preliminary observation.
2. Prof. Y. Tsutsumi
Presented: The 13th Japan Parasitology Congress (Eastern Block) at Sendai, Japan.
Date: 2nd October 1992
Title: Infectivity of *Faciola hepatica*, *F. Gigantica*, *Fasciola* sp. to rats.
3. Prof. Y. Tsutsumi
Presented: Presented the 24th Japan Protozoology Congress
Date: 11-12 December 1992
Title: Ciliate protozoa in the faces of African elephant, *Loxodonta africana africana* in Zambia, with the description of two new species.
4. Prof. Y. Tsutsumi
Presented: The 114th Japan Veterinary Congress at Sapporo, Japan.
Date: 30th September - 3rd October 1992
Title: Ciliate protozoa in the rumen of Kudu, *Tragelaphus strepsiceros* in Zambia with the description of three new species.
5. Prof. R. Yamaguchi
Presented: At a School Seminar, School of Vet. Medicine, UNZA
Date: 10th March 1992
Title: Pathogenicity and other properties among Sendai Virus strains.

6. Dr. K. Snowden
Presented: At a School Seminar, School of Vet.
Medicine, UNZA
Date: 29th April 1992
Title: Field immunodiagnostic methods:
development and applications.
7. Prof. S. Tateyama
Presented: At the School Seminar, School of Vet.
Medicine, UNZA
Date: 5th June 1992
Title: The Oncogeneses in domestic animals
8. Dr. N. Scki
Presented: At a School Seminar, School of Vet.
Medicine, UNZA
Date: 10th July 1992
Title: Echinococcosis in Japan & Zambia
9. Dr. M. Okumura
Presented: At a School Seminar, School of Vet.
Medicine, UNZA
Date: 10th July 1992
Title: Acute phase reacteub in Horses

3.4.0 List of all Publications in 1992

Latest situation of publication and compilation of Departmental Staff is as follows:

1. Y. Tsutsumi: The University of Zambia = Veterinary Education Project (Phase I). *Expert Bulletin. Association For International Cooperation of Agriculture and Forestry* Vol. 13, No. 3, 54-63 (1992)
2. Y. Tsutsumi, S. Imai, S. Yumura and A. Mulenga
Ciliate Protozoa in the Rumen of Kafue Lechwe, Kobus Leche Kafuensis, in Zambia, with the description of Four new species: *J. Protozool.*, Vol. 39, No. 5 564-572 (1992).
3. Y. Tsutsumi, I. Itagaki, T. Sakamoto, S. Yumura
Effectivity of *Fasciola hepatica*, *F. gigantica*, *Fasciola* sp. to rats: *Japanese Journal of Parasitology*, vol. 39 54-55 (1992)
4. M.M. Musonda Sample collection and shipping : *UNZA Veterinarian*, Vol. 2, No. 2 (1992)
5. E.T. Mwase, P.S.M. Phiri
Plant anthropod omteractopm with particular reference to the legume cassia absus and tick in Zambia: Supplement of the 8th International Symposium on Natural Products. 144 (1992).
6. Y. Tsutsumi, D.N. Kisauzi, J.E.D. Mwangwa
Cooperation in Veterinary Education between Sub-Saharan Africa and Developed countries - lessons from the University of Zambia Experience = "Revue Scientifique et Technique" (OIE (1992) (submitted for publication)

7. Y. Tsutsumi, D.N. Kisauzi, J.E.D. Mlangwa
 Donor recipient interactions and their impact
 on Veterinary Development in Emergent African
 Schools. "Technology and Development" (1992).
8. Y. Tada, M. Nakazawa, S. Chisembe, P.G. Phiri, A. Chola
 Helminth Infection of some Domestic and Wild
 Animals in Zambia= UNZA Veterinarian (1992)
 (submitted for publication).
9. Y. Tada, M. Nakazawa, K. Urano, S. Chisembe, P.G. Phiri, A. Chola
 Pasture Infection with infective larvae of
Haemonchus contortus on a Sheep Farm in Zambia=
 UNZA Veterinarian (1992) (submitted for
 publication).
10. E.T. Mwase, A. Suzuki, S. Takahashi, G.S. Pandey, S. Yamamoto,
 K. Kaneko, H. Hayashidani
 Joint Research on effects of Enlargement of
 Domestic Animal Pasture on the Wild Life Animal
 in Developing Countries.
 Research Report: National Institute for
 Environmental Studies Japan I-88 (1992).

SAMORA MACHEL SCHOOL OF VETERINARY MEDICINE
STAFF LIST OF PARACLINICAL STUDIES DEPARTMENT

<u>ACADEMIC STAFF</u>	<u>TITLE</u>	<u>SECTION</u>
Prof. Y. Tsutsumi	Professor	Parasitology
Prof. A. Kumar	Associate Professor	Microbiology
Dr. M. Musonda	Lecturer I	Pathology
Dr. E. T. Mwase	Lecturer I	Parasitology
Dr. T. Kakuda	Lecturer III	Parasitology
*Dr. R. Muimo	Lecturer III	Parasitology
*Dr. A. Mulenga	S. D. F.	Parasitology
*Dr. I. M. Bhaiyat	S. D. F.	Pathology
Dr. B. Namangala	S. D. F.	Microbiology
<u>SECRETARIAL STAFF</u>		
Mrs. B. C. Lukwesa	Secretary II	Departmental
<u>TECHNICAL STAFF</u>		
Mr. S. Chisembe	Chief Technician	Parasitology
Mr. P. G. Phiri	Senior Technician	Parasitology
Mr. P. Chama	Senior Technician	Pathology
Mr. C. Mubita	Senior Technician	Microbiology
Mr. M. Silumbwe	Technician II	Pathology
* Mr. D. M'ule	Technician II	Microbiology
Mr. J. Lungu	Assistant Technician	Microbiology
Mr. A. Chota	Technician I	Parasitology
Mr. C. Sakala	Lab Assistant	Pathology
* Mr. J. Mulenga	Assitant Technician	Parasitology
Mr. T. Mulelemba	Lab Assistant	Parasitology
Mr. R. Nkhoma	Lab Attendant	

* (Staff on Study Leave)

30th November, 1992

UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE
FOURTH YEAR STUDENTS
1992/93

	NAME	COMP. NO.
1	Bwalya John	88079317
2	Chikampa Webster	87084589
3	Chikoondo M. Fewster	87143119
4	Chola Catherine	88034348
5	Gombwa R. Sanderson	88120361
6	Ilungombe B. Mudenda	88028721
7	Kabanda C. Webster	87129817
8	Mainza Cletus	88153053
9	Mwao V. Chanda	88016480
10	Mulenga Arnold	88146758
11	Mumbolomena Arthur	87050951
12	Musa Choga	88022331
13	Muzumbwe C. Kanemanema	87037777
14	Mweene C. Rexter	88240002
15	Mwenye M. Evans	88057376
16	Ndima S. Walubita	87019779
17	Njovu S. Mavula	88047270
18	Siamundaala M. Victor	88021963
19	Sinkala Yona	88008118
20	Soko Jackson	87072076
21	Tembo Alice	87120119
22	Thoenieroff L. Y. Tracy	88249018
23	Witola William	88071324

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

APPENDIX - 3

Academic Year: 1992
Course : Veterinary Pathology, VMP 410
Term : First Term

WEEK	LECTURE TOPIC		PRACTICE
1. 13.01 - 17.01	Introduction	(MM)	Autopsy Techniques (YT)
2. 20.01 - 24.01	Degeneration and Necrosis	(MM)	Histopathology Techniques (YT)
3. 27.01 - 31.01	Degeneration and Necrosis	(MM)	Degeneration (YT)
4. 03.02 - 07.02	Circulatory Disturbances	(MM)	Necrosis (YT)
5. 10.02 - 14.02	Circulatory Disturbances	(MM)	Circulatory Disturbances (YT)
6. 17.02 - 21.02	Cell Growth Disorders & Inflammation	(MM)	Circulatory Disturbances (YT)
7. 24.02 - 28.02	Inflammation	(MM)	Inflammation (YT)
8. 02.03 - 06.03	Inflammation	(MM)	Inflammation (YT)
9. 09.03 - 13.03	Neoplasia	(MM)	Neoplasia (YT)

10. 16.03 - 20.03	Neoplasia	(MM)	Neoplasia	(YT)
11. 23.03 - 27.03	Cardiovascular System	(MM)	Neoplasia	(YT)

KEY: MM - Dr. Mutale Musonda, YT - Prof. Y. Tsutsumi.

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

Academic Year: 1992
Course : Veterinary Pathology, VMP 410
Term : Second Term

WEEK	LECTURE TOPIC	PRACTICE
01. 13.04 - 17.04	Cardiovascular System (MM)	Cardiovascular System (YT)
02. 20.04 - 24.04	Respiratory System (MM)	Cardiovascular System (YT)
03. 27.04 - 01.05	Respiratory System (MM)	Respiratory System (YT)
04. 04.05 - 06.05	Respiratory System (MM)	Respiratory System (YT)
05. 11.05 - 15.05	Haematopoietic System (MM)	Haematopoietic System (YT)
06. 18.05 - 22.05	Haematopoietic System (MM)	Haematopoietic System (YT)
07. 25.05 - 29.05	Integumentary System (MM)	Integumentary System (YT)
08. 01.06 - 05.06	Integumentary System (MM)	Integumentary System (YT)

09. 08.06 - 12.06	Urinary system	(MM)	Urinary System	(YT)
10. 15.06 - 19.06	Reproductive System	(MM)	Reproductive System	(YT)

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

Academic Year: 1992
Course : Veterinary Pathology, VMP 410
Term : Third Term

WEEK	LECTURE TOPIC	PRACTICE
01. 06.07 - 10.07	Digestive System (ST)	Reproductive System (MM)
02. 13.07 - 17.07	Digestive System (ST)	Digestive System (MM)
03. 20.07 - 24.07	Digestive System (ST)	Digestive System (MM)
04. 27.07 - 31.07	Liver and Biliary System (ST)	Liver and Biliary System (MM)
05. 03.08 - 07.08	Nervous System (ST)	Nervous System (MM)
06. 10.08 - 14.08	Nervous System (ST)	Nervous System (MM)
07. 17.08 - 21.08	Sensory & Endocrine System (ST)	Sensory & Endocrine System (MM)

08. 24.08 - 28.08	Muscular System	(ST)	Muscular System	(MM)
09. 31.08 - 04.09	Skeletal System	(ST)	Skeletal System	(MM)

KEY: MM - Dr. Mutale Musonda; ST - Prof. Susumu Tateyama

THE UNIVERSITY OF ZAMBIA.

SCHOOL OF VETERINARY MEDICINE

TEACHING PROGRAMME

ACADEMIC YEAR - 1991/92
 COURSE VMP 430 - Veterinary Bacteriology, Immunology & Virology
 TERM: - 1ST TERM

Lecturer - Y.T. - Prof. Y. Tsutsumi
 K.S. - Dr. K. Snowden
 T.S. - Prof. T. Keji
 A.M. - Dr. A. Weene

WEEK	LECTURE	LECTURER	PRACTICAL	LECTURER
1.	<u>Virology</u> General Virology, Definition, differences from Prokaryota, History, method of study	(AM/TK/YT)	Inoculation of Chicken egg with Viral agent (ND Virus)	(AM/TK/YT)
2.	Morphology, ultrastructure classification	(AM/TK/YT)	Collection of allantoic fluid	(AM/TK/YT)
3.	Transmission of viral diseases. Vaccines, antiviral drugs	(AM/TK/YT)	Inoculation of Fox Virus Determination of M.D 50	(AM/TK/YT)
4.	Chemical structure, multiplication, lysogeny, interferon, diagnosis of viral diseases	(AM/TK/YT)	M.A. and M.I. Test	(AM/TK/YT)
5.	Parvo virus, Adenovirus, Parovavirus Herpes Virus	(AM/TK/YT)	Preparation of Chicken Embryo Cell Culture	(AM/TK/YT)

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

ACADEMIC YEAR - 1991/92
COURSE VMP 430 - Veterinary Bacteriology, Immunology & Virology
TERM: - 1ST TERM

WEEK	LECTURE	LECTURER	PRACTICAL	LECTURER
6.	13.4. - 17.4.92. <u>IMMUNOLOGY</u> General Introduction, History	(KS/YT)	Organization of Lymphoid Tissue & differential WBC counts	(KS/YT)
7.	20.4. - 24.4.92. Cellular basis of Immune Responses Antigen - antibody interactions	(KS/YT)	Antigen/antibody interactions	(KS/YT)
8.	27.4. - 1.5.92. Serology, neonatal Immunology	(KS/YT)	Diagnostic Immunoassays	(KS/YT)
9.	4.5. - 6.5.92. Vaccinations and Vaccines Resistance to infective agents	(KS/YT)	PEC Cross-matching Techniques	(KS/YT)
10.	11.5. - 15.5.92. Autoimmunity, inflammation and Hypersensitivity	(KS/YT)	Seminars	(KS/YT)

THE UNIVERSITY OF ZAMBIA

SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

ACADEMIC YEAR - 1992
COURSE - VMP 440 VETERINARY HELMINTHOLOGY
TERM - 1st Term

LECTURER Y.T. - Prof. Y. TSUTSUMI
Y.S. - Dr. N. SEKI

WEEK	LECTURE	LECTURER (Lecturer)	PRACTICAL	(Lecturer)
1 15/01 - 24/01/92	Introduction to Parasitology; General Helminthology, General Trematodology	(N.S./Y.T.)	Introduction of Practical Parasitology, Use of Microscope	(N.S./Y.T.)
2 27/01 - 31/01/92	<i>Fasciola gigantica</i> & Conical flukes	(N.S./Y.T.)	<i>Fasciola gigantica</i>	(N.S./Y.T.)
3 03/02 - 07/02/92	Schistosoma (Blood fluke) & Other Trematodes	(N.S./Y.T.)	Faecal Examination of Trematodes & Cestodes	(N.S./Y.T.)
4 10/02 - 14/02/92	General Cestodology, Taeniid Cestodes	(N.S./Y.T.)	Cestodes & Trematodes of Ruminant	(N.S./Y.T.)
5 17/02 - 21/02/92	Other Cestodes, Mid Term Examination	(N.S./Y.T.)	Preparation and Preservation of Helminth Specimens	(N.S./Y.T.)
6 24/02 - 28/02/92	General Nematodology, Gastro-intestinal Nematodes of Ruminant	(N.S./Y.T.)	Gastro-intestinal Nematodes of Ruminant, Identification of Adult Stage	(N.S./Y.T.)
7 02/03 - 06/03/92	Lung worm & Ancylostomatoidae	(N.S./Y.T.)	Faecal Examination of Nematodes, Faecal Culture	(N.S./Y.T.)
8 09/03 - 13/03/92	Ascarididae, Spirocerca & Filaria	(N.S./Y.T.)	Identification of 3rd Stage Larvae of G-I Nematodes of Ruminant	(N.S./Y.T.)
9 16/03 - 20/03/92	Round worm of horse, Enoplida, Other Nematodes, Other Helminths	(N.S./Y.T.)	Helminth Parasites of Domestic Animals	(N.S./Y.T.)
10 23/03 - 27/03/92	Helminthic Diseases in Zambia, Term End Examination	(N.S./Y.T.)	Postmortem Examination	(N.S./Y.T.)

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

ACADEMIC YEAR - 1991/92

COURSE VMP 430 - Veterinary Bacteriology, Immunology & Virology

TERM: - 2nd Term

Lecturer: Y.T. - Y. Tsurumii (Pr)
T.K. - T. Kaji (Prof)
A.K. - A. Kinar (Prof)

WEEK	LECTURE	LECTURER	PRACTICAL	LECTURER
1.	1.5. - 5.5.92. General Bacteriology (i) Definition & Scope (ii) History	(AK/YT)	Staining and Identification of Bacteria	(AK/YT)
2.	8.6. - 12.6.92. Early concept, Germ Theory, Kochs Postulates	(AK/YT)	- do -	(AK/YT)
3.	15.6. - 19.6.92 Bacterial Morphology & Structure Physiology & Reproduction	(AK/YT)	Bacterial Media and Cultivation	(AK/YT)
4.	22.6. - 26.6.92. Bacterial Genetics, Plasmids & Episomes	(AK/YT)	Sensitivity Test & Drug Resistance Drug Resistance Pattern	(AK/YT)
5.	29.6. - 3.7.92. Sterilization - Physical & Chemical methods Antimicrobial Agents	(AK/YT)	Sterilization & Disinfection	(AK/YT)
6.	6.7. - 10.7.92. Reo Virus, Cornavirus, Calici Virus Paramyxovirus	(TK/YT)	Plaque Counting determination TLC 50	(TK/YT)
7.	13.7. - 17.7.92 Orthomyxovirus, Rhebovirus, Rhinovirus	(TK/YT)	Performance of HI Test	(TK/YT)
8.	20.7. - 24.7.92. Borna Virus, Bunyavirus, Iridovirus	(TK/YT)	Tracheal Organ Culture	(TK/YT)
9.	27.7. - 31.7.92. Poxvirus, Picornavirus, Togavirus	(TK/YT)	Inoculation with NDV	(TK/YT)
10.	10.3.8. - 7.8.92. Written Test	(TK/YT)		

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

LECTURER - Y.T. - Prof. Y. Tsutsumi
A.S. - Dr. A. Kuter

ACADEMIC YEAR 1991/92
COURSE VMP 430 - Veterinary Bacteriology, Immunology & Virology
TERM: - 3RD TERM

WEEK	LECTURE	LECTURER	PRACTICAL	LECTURER
1. 24.8. - 28.8.92.	Pathogenicity & Virulence	(AK/YT)	Sensitivity Test and Drug resistance pattern	(AK/YT)
2. 31.8. - 4.9.92.	<u>Systematic Bacteriology</u> Staphylococcus & Streptococcus	(AK/YT)	Biochemical Characterization	(AK/YT)
3. 7.9. - 11.9.92.	Enterobacteria, E. Coli, Salmonella	(AK/YT)	Staphylococcus	(AK/YT)
4. 14.9. - 18.9.92.	Enterobacteria, Shigella, Proteus Klebsiella (written test)	(AK/YT)	Streptococcus	(AK/YT)
5. 21.9. - 25.9.92.	Enterobacteria Yersinia, Compylobacter	(AK/YT)	E. Coli & Salmonella	(AK/YT)
6. 28.9. - 2.10.92	Brucella, Pasteurella	(AK/YT)	Proteus, Klebsiella	(AK/YT)
7. 5.10. - 9.10.92	Mycobacteria, Clostridia	(AK/YT)	Mycobacteria	(AK/YT)
8. 12.10. - 16.10.92.	Bacillus, Listeria, Corynebacteria	(AK/YT)	Clostridia	(AK/YT)
9. 19.10. - 23.10.92	Spirochetes, Rickettsia, Mycoplasma	(AK/YT)	Pathogenic Fungi	(AK/YT)
10. 26.10. - 30.10.92.	Pathogenic Fungi	(AK/YT)	- do -	(AK/YT)

THE UNIVERSITY OF ZAMBIA

SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

ACADEMIC YEAR - 1992
COURSE - VME 440 VETERINARY ENTOMOLOGY
TERM - 2nd Term

LECTURER Y.T. - Prof. Y. TSUTSUMI
E.M. - Dr. E.T. MWASE

WEEK	LECTURE	(Lecturer)	PRACTICE	(Lecturer)
1	13/04 - 17/04/92	Introduction to Entomology, Classification of Arthropoda	General Collection, Mounting & Preservation Methods. Examination of Mounted Specimens.	(E.M./Y.T.) (E.M./Y.T.)
2	20/04 - 24/04/92	Structure & Function of insects	Preparation, Examination & Sketching of Mounted Specimens	(E.M./Y.T.) (E.M./Y.T.)
3	27/04 - 30/04/92	Classification of Diptera	Preparation, Examination & Sketching of Mounted Specimens (Diptera)	(E.M./Y.T.) (E.M./Y.T.)
4	04/05 - 08/05/92	Nematocera & Brachycera	Preparation, Examination & Sketching of Mounted Specimens (Diptera)	(E.M./Y.T.) (E.M./Y.T.)
5	11/05 - 15/05/92	Cycloptera	Preparation, Examination & Sketching of Mounted Specimens (Diptera)	(E.M./Y.T.) (E.M./Y.T.)
6	18/05 - 22/05/92	Glossinidae	TEST	(E.M./Y.T.) (E.M./Y.T.)
7	25/05 - 29/05/92	Siphonaptera, Hemiptera & Phthireptera	Examination & Identification of Mounted Specimens (Siphonaptera, Hemiptera & Phthiraptera)	(E.M./Y.T.) (E.M./Y.T.)
8	01/06 - 05/06/92	ACARI	Examination of Parasitic Mites	(E.M./Y.T.)
9	08/06 - 12/06/92	ACARI	Visit to Tsetse & Tick Labs. (NCSR)	(E.M./Y.T.) (E.M./Y.T.)
10	15/06 - 19/06/92	ACARI	Examination & Identification of Ticks	(E.M./Y.T.) (E.M./Y.T.)

THE UNIVERSITY OF ZAMBIA

SCHOOL OF VETERINARY MEDICINE
TEACHING PROGRAMME

ACADEMIC YEAR - 1992
COURSE - VMP 440 VETERINARY PROTOZOLOGY
TERM - 3rd Term

LECTURER Y.T. - Prof. Y. TSUTSUMI
H.C. - Dr. E. CHITAKO

WEEK	LECTURE	(Lecturer)	PRACTICAL	(Lecturer)
1 06/07 - 10/07/92	Introduction to Protozoology, Terminology & Classification	(Y.T./Y.T.)	Microscopic Examination Sampling Technique	(Y.T./Y.T.)
2 13/07 - 17/07/92	Coccidiosis (Eimeria, Isospora)	(Y.T./Y.T.)	Preparation, Examination & Sketching of Coccidia	(Y.T./Y.T.)
3 20/07 - 24/07/92	Toxoplasmosis	(Y.T./Y.T.)	Toxoplasma	(Y.T./Y.T.)
4 27/07 - 31/07/92	Cryptosporidium, Sarcocystis, Entamoebidae, Balantididae, Bumen Protozoa	(Y.T./Y.T.)	Sarcocystis Bumen Protozoa	(Y.T./Y.T.)
5 03/08 - 07/08/92	Trypanosomiasis, Leishmaniasis	(F.S./Y.T.)	Diagnostic Method for Haemoprotozoa Staining Techniques	(H.C./Y.T.)
6 10/08 - 14/08/92	Zabesiosis, Theileriasis	(F.S./Y.T.)	Diagnostic Method for Haemoprotozoa Staining Techniques	(H.C./Y.T.)
7 17/08 - 21/08/92	Ehrlichiosis, Courdirosis	(F.S./Y.T.)	Identification of Flagellaer & Trypanosoma	(H.C./Y.T.)
8 24/08 - 28/08/92	Plasmodium, Grahameila, Bartonella	(F.S./Y.T.)	Identification of Haemoprotozoa	(H.C./Y.T.)
9 31/08 - 04/09/92	Aegyptionella, Haemobartoneilla, Perythrozoon	(F.S./Y.T.)	Slide-Reading of Haemoprotozoa	(H.C./Y.T.)

15th Oct., 1991

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE

1992 ACADEMIC YEAR SESSIONAL DATES (Jan. 15th - Oct. 2nd 1992)

4th Year Time Table (Final Draft)

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
08.00 09.00	VMP 430 Lecture (A0 4)	VMP 430 Lecture (A0 4)	VMP 410 Lecture (A0 4)	VMP 430 Lecture (A0 4)	VMA 450 Lecture (LR 2*)
09.00 10.00	VMP 440 Lecture		VMP 410 Histopathol (D 51)		VMP 410 Lecture
10.00 11.00		VMB 425 Lecture		VMP 440 Lecture	
11.00 12.00	VMB 425 Lecture			VMA 450 Lecture	
12.00 13.00		VMA 450 Lecture			
13.00 14.00	L U N C H B R E A K				
14.00 17.00 x	VMB 425 Pract. (D 01)	VMP 430 Pract. (D 51)	VMA 450 Pract. (LR 2*)	VMP 440 Pract. (D 51)	VMP 410 Autopsy (E 14)

LECTURES / PRACTICE PER WEEK

VMP 410	- Veterinary Pathology	3 / 6
VMB 425	- Veterinary Pharmacology	3 / 3
VMP 430	- Veterinary Microbiology & Immunology	5 / 3
VMP 440	- Veterinary Parasitology	3 / 3
VMA 450 (AGA 450)	- Animal Production	3 / 3

LECTURE AND PRACTICE ROOM

- A 04 - Lecture Room, Administration Block, School of Vet. Med.
D 01 - Teaching Laboratory, Biomedical Sciences Department, "
D 51 - Teaching Laboratory, Paraclinical Studies Department, "
E 14 - Postmortem Room, " " " " "
LR 2* - Lecture Room Number 2, School of Agricultural Sciences.

INTERNAL MEMORANDUM

Date: 9 November 1992 Ref. No. _____
 From: PROF. Y. TSUTSUMI, HEAD, PARACLINICAL STUDIES DEPARTMENT
 To: ALL 4TH YEAR STUDENTS AND STAFF
 Subject: FINAL DRAFT OF TIME-TABLE FOR THE FINAL EXAMINATIONS

TIME-TABLE AND INVIGILATORS FOR FINAL EXAMINATIONS

	TIME	VENUE	INVIGILATOR
<u>VEF. PATHOLOGY (VMP 410)</u>			
Examination Paper	AM 09. Nov.	Sports Hall	Dr. M. Misonda
Practical Examination	AM 17. Nov.	151	Dr. M. Misonda
Oral Examination	AM 24. Nov.	152	Dr. M. Misonda/Prof. Uwolo
<u>VEF. MICROBIOLOGY (VMP 430)</u>			
Examination Paper I	PM 10. Nov.	Sports Hall	Prof. A. Kumar Prof. T. Kaji
Examination Paper II	PM 11. Nov.	Library Basement	Prof. A. Kumar Prof. T. Kaji
Practical Examination	PM 16. Nov.	D.51	Prof. A. Kumar Prof. T. Kaji
Oral Examination	AM/PM 25. Nov.	D.52	Prof. A. Kumar Prof. T. Kaji
<u>VEF. PARASITOLOGY (VMP 440)</u>			
Examination Paper	AM 11. Nov.	Sports Hall	Dr. E.T. Mase Dr. H. Chilumbo Dr. T. Kikula
Practical Examination	AM 12. Nov.	151	Dr. E.T. Mase Dr. H. Chilumbo Dr. T. Kikula
Oral Examination	AM/PM 19. Nov.	152	Prof. Y. Tsutsumi Dr. F. Sabbe Dr. E.T. Mase Dr. H. Chilumbo Dr. T. Kikula

- * 151= Teaching Laboratory, Paraclinical Studies Dept.
 152= Ecto Parasites Laboratory, Paraclinical Studies Dept.

cc. Acting Dean, School of Vet. Medicine
 Prof. T. Kaji, Head, Disease Control Dept.
 Dr. H. Chilumbo, Disease Control Dept.
 Dr. F. Sabbe, Clinical Studies Dept.
 Dr. F.R. Ayikffe, Biomedical Sciences
 Prof. A. Kumar, Paraclinical Studies Dept.

THE UNIVERSITY OF ZAMBIA
SCHOOL OF VETERINARY MEDICINE

Plans for Extension and Improvement to School Buildings

- A. Since the School was completed in 1985 the following alterations have been made:
- 1) A partition built in Experimental Surgery in Biomedical Sciences, to an extra Staff Office. (UNZA), and an instrument room.
 - 2) A partition built in Room Clinical Studies, to turn the Teaching Laboratory into two Research Laboratories. (Belgian Project and UNZA).
 - 3) Burglar bars have been put at various points in the School, e.g. Workshop, Library, Head of Department Offices, Computer Rooms. (UNZA).
 - 4) Workshop extension was built to allow more room for electronics repair. (JICA).
 - 5) Fencing of arable land at University Veterinary Farm at Liempe. (UNZA).
 - 6) Partition of Departmental Store Room in Paraclinical Studies. (UNZA).
 - 7) Partition of Seminar Room to provide extra office in Disease Control. (UNZA).
 - 8) Cattle pens in Animal Hospital, Clinical Studies. (UNZA).
- B. Present construction includes the following:
- 1) Room for electricity generator. (UNZA).
 - 2) Two houses for plotmen at the University Veterinary Farm at Liempe. (UNZA).
 - 3) Repair to paddock fences and erection of security lights.
- C. Future construction includes the following:
- 1) Dog run and kennels for small animal clinic.
Plans already drawn and submitted to the Building Committee. (UNZA).
 - 2) Extension to the Small Animal Clinic

Plans already prepared (UNZA).

- 3) Alterations to the Quarantine to provide more pens for experimental large animals. (UNZA).
- 4) Erection of four pens for wild antelope. (UNZA).
- 5) Renovation of a field station for students and research. (Belgian Project and UNZA).
- 6) Construction of dog dip. (UNZA).
- 7) Partition in Anatomy Lecture Theatre to create a demonstration room.
- 8) Provision of shelving and display units for Museum. (UNZA).
- 9) Erection of shed to house deep freeze for plastiration unit (UNZA).

附属資料 5. ザンビア獣医学会資料

VETERINARY ASSOCIATION OF ZAMBIA (VAZ)

P.O. Box 33960

LUSAKA

30th November, 1992.

To: All Members of Veterinary Association of Zambia

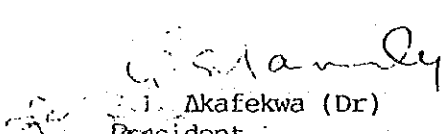
re: SCIENTIFIC SESSION AND ANNUAL GENERAL MEETING

Dear colleagues,

It has been decided to hold the Scientific Session and Annual General Meeting of the Veterinary Association of Zambia (VAZ) on 17th December, 1992 starting at 8.00 hours in Panodzi Hotel, Lusaka. The registration fee for all participating members will be K1,000.00 per person. The detailed programme is enclosed. Lunch will be provided to all registered members for this conference.

I am requesting every member to attend the meeting without fail in both the Scientific deliberations and the election of the new Executive Committee. Please inform to your other colleagues.

Yours sincerely,


J. Akafekwa (Dr)
President

VETERINARY ASSOCIATION OF ZAMBIA

NB: Those members who need accommodation in UNZA Hostels please contact Dr. Pandey, Box 3237 Veterinary School before 15th December, 1992 to book on your behalf.

cc: Dr. P.G. Sinyangwe, Secretary V.A.Z.
cc: Dr. G.S. Pandey, Treasurer, V.A.Z.

PROGRAMME OF THE SCIENTIFIC SESSION AND ANNUAL GENERAL MEETING OF
THE VETERINARY ASSOCIATION OF ZAMBIA

Date - 17th December, 1992

Venue - Pamodzi Hotel, Lusaka

08.00-09.00

Registration

OPENING SESSION 1

Session Chairman

Dr. G.I. Akafekwa, President, VAZ.

9:20 -
09.00-09.10

Silent prayer (10 min)

Welcoming Address - Dr. G.I. Akafekwa, President, VAZ.

9:30 -
09.10-09.30

Opening Address - Guest to be confirmed

09.30-10.00

Tea/Coffee

Mr. GIBSON NKAVISU
DEPUTY MINISTER OF AGRICULTURE

SCIENTIFIC SESSION 2

Chairman - Dr. H.G.B. Chizyuka, Director, D.V.T.C.S.

10.00-10.20

Paper 1 - Effect of Coccidia infection on
Salmonella infection in Chicken.

Professor Akira Arakawa, Osaka Prefecture
University, Japan. (Key paper I)

10.20-10.35

Paper 2 - Cost recovery scheme for Trypanocides
and other veterinary drugs in Eastern Province.
Dr. L. Gorissen - BADCP-Chibata.

10.35-10.50

Paper 3 - Trypanosomiasis in Eastern Province
An overview of work done by BADCP

10:55-11:25

Dr. ~~L. Gorissen~~ BADCP - Chibata UNZA
Chitambo

10.50-11.00

Discussion.

SCIENTIFIC SESSION 3

Chairperson - Prof. C.E.A. Lovelace, Dean, School of Veterinary Medicine

11.00-11.20

Paper 4 - Trypanosole Zoonosis (Key paper II)

11:25 -

Dr. H. Sugiyama, National Institute of Health,
Japan.

11.20-11.35

Paper 5 - Dermatophillosis in domestic and wildlife
and zoonotic importance. Dr. G.S. Pandey, UNZA
(LSD)

12:00 -

11.35-11.50

Paper 6 - Mastitis - Human Health Hazard

12:20 -

Dr. Namangala Boniface, UNZA
MASTITIS A Potential Hazard to Public Health

11.50-12.00

Discussion.

SCIENTIFIC SESSION 4

- Chairman - Dr. D. Minoyi, Prov. Veterinary Officer, Chona
b
- 12.00-12.15 Paper 7 - Dairy herd reproduction problem.
Dr. P. Miniba, Zamanglo Limited.
- 12.15-12.30 Paper 8. - Thoughts on cost recovery.
Dr. Bbalo. Provincial Veterinary Officer, Mongu
- 12.30-12.45 Paper 89 - Tsetse control in Zambia - constraints
and prospects. Mr. Mumba, D.V.T.C.S.
- 12.45-12.55 Discussion
- 12.55-14.00 LUNCH

BUSINESS SESSION (A.G.M.) 5

- 14.00-16.-- Chairman - Dr. G.I. Akafekwa, President, VAZ.
- (a) Reading of the minutes of the preceding meeting by the Secretary.
 - (b) Signing of the minutes.
 - (c) Matters arising.
 - (d) Presidential address.
 - (e) Presentation of Balance Sheet.
 - (f) Acceptance of the Balance Sheet.
 - (g) Election of the Executive Committee.
 - (h) Any other business.

VETERINARY ASSOCIATION OF ZAMBIA (VAZ)

P.O. BOX 33980

LUSAKA

30th November, 1992

To: All Members of Veterinary Association of Zambia

re: SCIENTIFIC SESSION AND ANNUAL GENERAL MEETING

Dear colleagues,

It has been decided to hold the Scientific Session and Annual general Meeting of the Veterinary Association of Zambia (VAZ) on 17th December, 1992 starting at 8:00 hours in Pamodzi Hotel, Lusaka. The registration fee for all participating members will be K1,000.00 per person. The detailed programme is enclosed. Lunch will be provided to all registered members for this conference.

I am requesting every member to attend the meeting without fail in both the Scientific deliberations and the election of the new Executive Committee. Please inform to your other colleagues.

Yours sincerely,

Akafekwa (Dr)

President

VETERINARY ASSOCIATION OF ZAMBIA

NB: Those members who need accommodation in UNZA Hostels please contact Dr. Pandey, Box 3237 Veterinary School before 15th December, 1992 to book on your behalf.

CC: Dr. P.G. Sinyangwe, Secretary V.A.T.

CC: Dr. G.S. Pandey, Treasure V.A.Z.

PROGRAMME OF THE SCIENTIFIC SESSION AND ANNUAL GENERAL MEETING OF
THE VETERINARY ASSOCIATION OF ZAMBIA

Date - 17th December, 1992
Venue - Pamodzi Hotel, Lusaka

08.00-09.00 Registration

OPENING SESSION 1

Session Chairman Dr. G.I. Akafekwa, President, VAZ.
(OPENING Silent Pray)
09.00-09.10 Welcoming address - Dr. G.I. Akafekwa, President, VAZ.
09.10-09.30 Opening Address - Guest to be confirmed
(Mr. Gibson NKAUSU, DEPUTY MINISTER OF AGRICULTURE)
09.30-10.00 Tea/Coffee

SCIENTIFIC SESSION 2

Chairman - Dr. H.G.B. Chizyuka, Director, D.V.T.C.S
10.00-10.20 Paper 1 - Effect of Coccidia infection on
Salmonella infection in Chicken.
Professor Akira Arakawa, Osaka Prefecture
University, Japan. (Key paper I)
10.20-10.35 Paper 2 - Cost recovery scheme for Trypanocides
and other veterinary drugs in Eastern Province.
Dr. L. Gorissen - BADCP - Chipata.
10.35-10.50 Paper 3 - Trypanosomiasis in Eastern Province
An overview of work done by BADCP
Dr. Chitambo UNZA
10.50-11.00 Discussion

SCIENTIFIC SESSION 3

Chair person - Prof. C.E.A. Lovelace, Dean, School of Veterinary Medicine
11.00-11.20 Paper 4 - Trematode Zoonosis (Key paper II)
Dr. H. Sugiyama, National Institute of Health,
Japan.
11.20-11.35 Paper 5 - Dermatophillosis in domestic and wildlife
and zoonotic importance. Dr. G.S. Pandey, UNZA
(about LSD)
11.35-11.50 Paper 6 - Mastitis - Human Health Hazard
Dr. Namangala Boniface, UNZA
(Mastitis a Potential Hazard to Public Health)
11.50-12.00 Discussion.

SCIENTIFIC SESSION 4

Chairman - Dr. D. Minobi. Prov. Veterinary Officer, Choma

- 12.00-12.15 Paper 7 - Dairy herd reproduction Problem.
Dr. P. Myna. Zamanglo Limited.
- 12.15-12.30 Paper 8. - Thoughts on cost recovery.
Dr. Bbalo. Provincial Veterinary Officer, Mongu
- 12.30-12.45 Paper 8,9 - Tsetse control in Zambia - constraints
and prospects. Mr. Mumba. D.V.T.C.S.
- 12.45-12.55 Discussion
- 12.55-14.00 LUNCH

BUSINESS SESSION (A.G.M.) 5

14.00-16 ---- Chairman - Dr. G.I. Akafekwa, President, VAZ.

- (a) Reading of the minutes of the proceeding meeting by the Secretary.
- (b) Signing of the minutes.
- (c) Matters arising.
- (d) Participant Address.
- (e) Presentation of Balance Sheet.
- (f) Accountancies of the Balance Sheet.
- (g) Election of the Executive Committee.
- (h) Any other business.

VETERINARY ASSOCIATION OF ZAMBIA

LIST OF ATTENDANCE

(ザンビア獣医学会出席者名簿)

Name	Address
G. Bralo	Box 91034, VET, Mongu
M. N. Banda	Box 960017, VET, Seshere
F. M. Mulenga	Box 910034, VET, Monan
H. Sumani	Box 930022, VET, Kazabu
B. Namangala	UNZA Box 32379,
L. M. Tuchili	UNZA Box 32379 Lusaka
J. Mubonqa	R.T.T.C.P Box 350001, Lusaka
T. Kaji	P.O. Box 30027 JICA
G.I. Akaceka	P.O. Box 320188 Lusaka
T.S. Hopkins	P.O. Box 50050, Lusaka
MPC Mangani	Box saolo, Lusaka
Pillma Acm	Box 3 <i>Namuata</i>
Yukitsugu Ono	JICA Mission Team
A. Nambota	Box 32379, Lusaka
J. M. Belem	Box 33980, Lusaka
Z. M Nkhungulu	Box 32379, Lusaka
Dr I. Massolo	Box 510016 Chipata
L. C. Lubinga	Box 56010, Petauke
Dn. H. Sugiyama	JICA Mission Team
Dr. M.M.Musonda	UNZA Box 32379 Lusaka
Y. Tsutsumi	UNZA VET JICA Project Reader
S. Ishii	JICA Mission Team
G. Kangali	Hybrid Poultry Box 310097 Lusaka
G. Banga	
G Muwthali	Box 450033, VET Lukulu
Dr. M.I.M. Razes	Box 30031, Lusaka
B. Namangala	Box 32379 UNZA VET
Dr. T. R. Ayliffe	Box 32379 UNZA VET
K. Kobayashi	Box 30027 JICA Expert
M. Hirai	Box 30027 JOCV
D. P. Mumba	DVTCS Box 50060 Lusaka
E. T. Mwase	UNZA VET. Box 32379 Lusaka
Arun Kumer	Praclinical Dept UNZA VET

Name	Address
J. Jembe	Box 81110 KB
A. E. Danhouky	Box 99. KB
M. Z. Syachala	CVRI Box 33980 LSK
D. A. Hogg	UNZA VET Box 32379 LSK
O. Kabinda	Box 410110 Kasama
M. L. Vyas	Box 80288 ———
Maxwehi Knondowe	S.T. Paul MN. N.S.A.
A. Arakawa	JICA Mission Team Reader, Osaka, JAPAN
E. Leroy	Chilanca Zama
Rorissen	BADCI, Chipata
C. E. Lovelace	UNZA, VET, Box 32379 Lusaka
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D. Minyo	Box 630065 Choma
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ザンビア獣医学会記念講演演題

1. 団長 荒川 皓

演題：

『 Effect of Coccidia Infection on Salmonella Infection in Chickens 』
(『 鶏コクシジウム感染のサルモネラ感染におよぼす影響 』)

2. 団員 杉山 広

演題：

『 Trematode Zoonoses 』
(『 人畜共通吸虫症 』)

