

CURRICULUM VITAE

NAME WALTER JULIUS VEITH

DATE OF BIRTH 25/1/49

MARITAL STATE Married - three children

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QUALIFICATIONS

1967 Senior certificate (first class)

1971 B.Sc. (University of Stellenbosch) with major subjects Zoology and Chemistry

1973 Hons. B.Sc. *cum laude*, Zoology (University of Stellenbosch)

1973 M.Sc. *cum laude*, Zoology (University of Stellenbosch)

Title of thesis: 'Reproductive Biology of *Chamaeleo pumilus pumilus* (*Microsauria pumilus*) with special reference to the role of the Corpus Luteum and Progesterone'.

1978 Ph.D. Zoology (University of Cape Town).

Title of thesis: 'Autoradiographic and Electron Microscopic study of embryonic nutrition in the teleost *Clinus superciliosus*'

EMPLOYMENT

1972 Junior Lecturer in Zoology, University of Stellenbosch.

1973 C.S.I.R. research assistant to Prof. G.N. Louw.

Main project: 'Namib desert ecology with special reference to ecological energetics'.

1974 Technical officer A, Department of Zoology, University of Stellenbosch.

Duties: Maintenance of Comparative Physiology laboratory and assisting with pre- and post-graduate practical teaching in Comparative Physiology.

1975 Lecturer in Zoology, University of Durban-Westville

Duties: Introduction of the field of 'Comparative Eco- physiology'. This included laboratory development, purchase of apparatus and course development in this field. Further duties included compilation of TV programmes for Zoology practicals and examinations, which required TV camera work, mixing and production management.

1976-1978 Lecturer in Zoology, University of Stellenbosch,

Duties: Responsible for the subject 'Comparative Eco- physiology'.

1979-1987 Senior Lecturer in Zoology, University of Stellenbosch

Duties: Responsible for post and under- graduate courses in Comparative Eco-Physiology, Cell-Biology, Genetics, Histology and Phylogeny. Responsible also for the design of the new laboratory layout, including design of marine and fresh-water research facilities, radio-isotope laboratories and post and undergraduate practical facilities.

1988 Senior Lecturer in Zoology at the University of the Western Cape.

1989 Senior Lecturer in Zoology at the University of Cape Town (one year contract).

Since 1990 Employed in the department of Zoology, University of the Western Cape.

1995-2002 Professor and chair of the Zoology department, University of the Western Cape.

2002-2004 Professor of Medical Bioscience, University of the Western Cape.

Since 2005 Retired from academia but active as international lecturer in most western countries and former east-block countries. Guest speaker at numerous international universities, health and science institutes, radio and television broadcasts as well as schools and church bodies on issues related to diet and degenerative diseases as well as science and religion.

TEACHING EXPERIENCE

I have 30 years tertiary teaching experience and have taught numerous courses at the under- and post-graduate level. Besides teaching courses in Zoology, I have also presented courses to medical students and agricultural students.

Under-graduate courses taught:

Cell biology, Ecology, Histology, Genetics, Protozoology, Taxonomy, topics in Comparative Physiology and Endocrinology, Nutrition, Invertebrate and Vertebrate Comparative Anatomy, Ontogeny and Phylogeny.

Post-graduate courses taught:

Reproductive Physiology, Endocrinology, aspects of Eco-physiology, Comparative Physiology of Nutrition, Molecular Biology and Phylogeny.

EXTERNAL EXAMINING:

Have acted as external examiner in Biology, Department of Physiology (Medical School) University of Cape Town, Zoology I, II and III, Department of Zoology, University of Cape Town and Zoology and Biology undergraduate courses at the University of the Western Cape. Also acted as examiner for Masters and Ph.D theses.

ADMINISTRATIVE EXPERIENCE:

DEPARTMENTAL:

- 1975** Coordinator of the Comparative Physiology programme, University of Durban-Westville. Responsible for course design as well as laboratory design and administration.
- 1976-1987** Coordinator of the Comparative Physiology programme, University of Stellenbosch. Responsible for course structure, post-graduate development and departmental laboratory design.
- 1993-1995** Chairperson of the Zoology department University of the Western Cape.
- Since 1995** Professor and academic chair of the Zoology department University of the Western Cape.

Committee involvement:

Examinations committee, University of Stellenbosch.
 Science Week committee, University of Stellenbosch.
 Ph.D. committee, University of Cape Town.
 Benguela Ecology Programme Committee (BEP)
 U.W.C
 Research committee.
 Committee for Research grants and study leave.
 Rules and regulations committee.
 Ethics committee.
 Executive committee, Science Faculty.
 Appointments committee and ad hoc appointments committee.
 Senate
 Senate public lectures committee
 UWC delegate to UDP workshop, Pretoria

Managerial courses attended:

Since 1993

- Research 2000: This course was offered to FRD grant-holders by the FRD and entailed: a) Management of R&D (Research and Development)
 b) Research project management

FRD workshop on scientific proposal writing

Time and crisis management workshop

Crisis management and fire training

POST-GRADUATE PROJECT SUPERVISION

HONOURS PROJECTS SUPERVISED:

Since 1975 I have supervised numerous hon. projects with emphasis on marine-biological topics, vertebrate reproduction, nutrition, small mammal research and vertebrate and invertebrate osmoregulation and thermoregulation. Recent projects with a nutritional bias carried out under my supervision AT UWC are:

Johnson, Q.(1992). The effect of increased protein consumption on the calciuretic response of the laboratory rat *Rattus norvegicus*.

Van Rooy, C. (1993). The impact of dietary animal protein on the calcium status of Wistar rats with particular emphasis on skeletal integrity.

Booyesen, R.(1993). The influence of dietary animal protein on calcium homeostasis and selected urinary and plasma parameters in rats.

Fester, S. (1994). The effect of casein and soya sources of protein on varying urinary parameters in laboratory rats.

Klein, M. (1994). The impact of casein and soya sources of protein on selected stool parameters in laboratory rats.

Manie, T (1995). The effect of varying protein consumption on prostate pathology I. The influence of casein and soya protein sources on selected plasma variables of the rabbit.

Toeffie, Z (1995). The effect of varying protein consumption on prostate pathology II. The influence of milk solid and soya protein sources on selected plasma variables of the rabbit.

Weilbach, M. (1995). The impact of varying protein consumption on the metabolism of the rabbit.

Joemat, R. (1996). Arginine as a corrective factor in a diet rich in animal protein.

Adams, C. (1999) Drug residues in commercial poultry.

Matshikiza, N (1999) Drug residues in commercial milk

Samodien, S. (1999) Drug residues in commercial eggs.

Moses, C.L. (2000) Effect of dietary protein source on endocrine status and behaviour of rats

Speelman A.J. (2000) Effect of dietary protein source on lipid profile of rats

Bowie, A.J. (2000) Biological magnification of pesticide residues in rats.

M.Sc. PROJECTS SUPERVISED:

1980 P. le F. N. Mouton (University of Stellenbosch)

"Adrenal activity and renal functions in the four striped field mouse, *Rhabdomys pumilio* (Sparrman)."

1982 J. H. van Wyk (University of Stellenbosch)

"The morphological and physiological changes during the reproductive cycle of the female rock lizard *Agama atra* Daudin, 1802."

1985 D. A. Cornish (University of Stellenbosch)

Reproductive biology and viviparity in the teleost *Clinus dorsalis*. Perciformes Clinidae."

1985 H. de Vos (University of Stellenbosch)

"Reproductive biology and environmental tolerance of *Barbus burchelli* in the Breede River system."

1986 A. Flemming (University of Stellenbosch)

"The annual reproductive cycle of *Cordylus polyzonus* in the southwestern Cape."

1986 C. Goosen (University of Stellenbosch)

"A comparative study of viviparity in the genus *Clinus*. Perciformes, Clinidae."

1986 F. Cronje (Co-supervisor, University of Stellenbosch)

"The eco-physiological implications of melanism in cordylid lizards in the southwestern Cape."

1993 Q. Johnson (University of Western-Cape)

"The effect of dietary protein on calcium retention and osteochondrosis in sheep."

- 1995** J. Leaner (University of the Western Cape)
"Estimation of within-season variation in spawning activity in the South African sardine *Sardinops sagax* using serological techniques."
- 1995** T. Akkers (University of the Western Cape)
"Estimation of within-season variation in spawning activity in the South African sardine *Sardinops sagax* using histological techniques."
- 1996** S.L. Bosch (University of the Western Cape)
"The reproductive biology of the teleost *Rhabdosaurus globiceps*."
- 1996** N. Nicolaai (University of the Western Cape)
"Reproductive biology of the South African anchovy *Engraulis capensis*."
- 1997** R.S. Maharaj (University of the Western Cape)
"Reproductive biology of the viviparous teleost *Clinus cottoides*."
- 1998** M. Hendricks (University of the Western-Cape)
"Metabolic cost of reproduction in the viviparous teleost *Clinus superciliosus*."
- 1998** T. Manie (University of the Western Cape)
Animal husbandry and the development of antibiotic resistance in bacteria isolated from meat and milk in the Western Cape region of South Africa.
- 2002** B. Ogboko, (University of the Western Cape)
The effect of growth promoters on growth and aspect of the physiology of pullets raised for human consumption
- C. Adams. The effect of dietary protein source on egg composition in poultry

Ph.D. PROJECTS:

- 1992** Y C Melo (University of Stellenbosch)
"The biology of the anchovy *Engraulis capensis* in the Benguela Current Region."
- 1998** Q. Johnson, University of the Western Cape
"The effect of dietary protein intake on selected aspects of metabolism and reproduction in vervet monkeys."
- 2003** T. Manie, University of the Western Cape

“Animal husbandry and the development of antibiotic resistance in bacteria isolated from farm animals.”

RESEARCH INTERESTS AND CO-OPERATIVE RESEARCH PROGRAMS

1979-1987 (Department of Nature Conservation).

Eco-physiological research on endangered endemic freshwater fish fauna together with Dr. K Hamman of the Department of Nature Conservation. The aim of this research was to obtain data on endemic fish which are on the red data list of endangered species. Information on the reproductive cycles, "Zeitgeber" and growth studies, was recorded with the view to artificial breeding programs to save South Africa's endemic fauna. To date two species (*Barbus burchelli* and *Barbus andrewi*) have been studied in detail and funding for these projects was also obtained from the Nature Foundation.

Current:

1. Nutrition research.

The physiology of nutrition has been my main area of personal research over the last few years and a book on this topic was published in 1993. I am currently involved in research projects pertaining to the subject of nutrition. This is one of the fields where applied research in Zoology can not only provide insights into animal nutrition, but can provide spin-offs which affect human populations as well. The research revolves around two broadly defined aspects:

- a) The impact of modern environmental changes and pollutants on the overall nutritional and health status of animals.
- b) The impact of modern animal husbandry and feeding strategies on the overall nutritional and health status of domestic animals.

The presence of pollutants or the shortage/excess of environmental macro- and micro-nutrients can have profound effects on physiological processes. Various abnormalities and diseases plaguing wild and domesticated animals can be directly ascribed to altered nutritional status.

Co-operative research programs, have been undertaken together with the agricultural sector at Elsenburg and Mariendhal Experimental Farms, the MRC and the Department of Endocrinology, University of Stellenbosch Medical School and Tygerberg Hospital. The studies concern nutritional diseases in livestock and vervet monkeys, particularly pertaining to the effect of crude protein consumption and the development of degenerative diseases. Our main area of study currently pertains to the effect of animal protein consumption and reproductive, cardiovascular and endocrine disorders and induced calcium loss and its effect on bone density and composition as well as the development of antibiotic resistance in animals fed subtherapeutic levels of these compounds.

2. Department of Sea Fisheries

I have had close links with the Department of Sea Fisheries in the past, and have acted as Ph.D, and M.Sc. supervisor and examiner of some of their senior staff members.

The main thrust of this research pertained to the reproductive output of commercial species and aspects of fecundity, recruitment and endocrine control of reproduction in pelagic (anchovies and pilchard) and line fish. This research has strong environmental impact in that results directly affect the allocation of fishing quotas and can assist in determining open and closed fishing seasons. With the depletion of the worlds fishing resources, research of this nature is vital and will hopefully contribute to the prevention of over-exploitation of our marine resources.

3. Other projects

I am involved in research on viviparity in fishes together with post graduate students. A number of papers in this field have appeared in press and research on the rock dwelling clinid forms has revealed information which has elicited world-wide response. The work has been quoted in important reviews published in American Zoologist. The projects are ongoing and a study of kelp dwelling clinid species is in progress. I am also involved in research on reproduction in lizards and a number of papers on this topic have appeared in press.

PUBLICATIONS

Veith, W.J. 1974. Reproductive Biology of *Chamaeleo pumilus pumilus* with special reference to the role of the Corpus Luteum and Progesterone. *Zool. Afr.* 9: 161 -183

Veith, W.J. 1975. Functions of the Corpora Lutea and Progesterone in the ovoviviparous lizard *Chamaeleo pumilus pumilus*. *S.Afr.J.Sci.* 71(2): 57

Veith, W.J. 1979. Reproduction in the live-bearing teleost *Clinus superciliosus*. *S.Afr.J.Zool.* 14 (4): 208 - 211

Veith, W.J. 1979. The chemical composition of the Follicular Fluid of the Viviparous Teleost *Clinus superciliosus*. *Comp. Biochem. Physiol.* 63A: 37 - 40

Veith, W.J. 1980. Viviparity and Embrionic Adaptations in the Teleost *Clinus superciliosus*. *Can.Jnl.Zool.* 58(1):1-12

Veith, W.J. and S.R. Malecha 1983. Histological Study of the Distribution of Lipids, 3 α - and 3 β -Hydroxysteroid Dehydrogenase in the Androgenic Gland of the Cultured Prawn, *Macrobrachium rosenbergii* (de Man) (Crustacea: Decapoda). *S. Afr. J. Sci.* 79: 84-85

Cornish, D.A. and W.J. Veith. 1986. Embryonic adaptations in the teleost *Clinus dorsalis*. *S.Afr.J.Zool.* 21(1): 79-84

Veith, W.J. and D.A. Cornish. 1986. Ovarian adaptation in the viviparous teleosts *Clinus superciliosus* and *Clinus dorsalis* (Perciformes : Clinidae). *S.Afr.J.Zool.* 21 (4) 343-347

- Cornish, D.A. and W.J. Veith. 1987. The chemical composition of the follicular fluid of the Teleost *Clinus dorsalis* (Perciformes Clinidae). *Comp.Biochem.Physiol.* 88A, (4) 599-602
- Cornish, D.A. and W.J. Veith. 1989 Scanning electron microscopy of embryonic epidermal adaptations in *Clinus dorsalis* (Perciformes: Clinidae). *Proc. Electron. Microsc. Soc. South Afr.* 19:119-120.
- Veith, W.J. 1993. Diet and Health. New Scientific Perspectives (1st edition). SPA Publishers, South Africa,
- Brand, T.S., Veith, W.J., Franck, Johnson, Q. (1995). Verband tussen ruproteieninname en voorkoms van krombeen by ramslammers. *Elsenburg Joernaal 2 :18-21*
- Akkers, T.R., Melo, Y.C., and W.J. Veith 1996. Gonad development and spawning frequency of the South African pilchard *Sardinops sagax* during the 1993-1994 spawning season. *South Afr. Journl. of Mar. Sci.* 183-195.
- Veith, W.J. 1996. Ernährung neu entdecken. Der Einfluß der Ernährung auf unsere gesundheit. Wissenschaftliche Erkenntnisse. Wissenschaftliche Verlagsgesellschaft mbh, Stuttgart.
- Veith W.J. 1997 Je einfacher - desto gesünder. *Deutsche Apotheker Zeitung* 137 Jahrgang Nr 4; 23/1/1997
- Manie T., Khan, S., Brözel, V.S., Veith, W.J. and Gouws, P.A. 1998. Antimicrobial resistance of bacteria isolated from slaughtered and retail chicken in South Africa. *Letters to Applied Microbiology.* 26:253-258.
- Veith W.J. 1998. Diet and Health, Scientific perspectives. 2nd Edition. CRC Press, New York, London and Medpharm Publishers, Stuttgart, Germany.
- Manie T., Brözel, V.S., Veith, W.J., Gouws, P.A. 1999. Antimicrobial resistance of bacterial flora associated with bovine products in South Africa. *Journal of Food Protection.* 62(6):615-618.
- Brand, T.S, Johnson, Q., Frank, F., Veith, W.J., Conradie, R. Hough, F.S. 1999. The influence of dietary crude protein intake on bone and mineral metabolism in sheep. *SA Veterinary Journal.* 70 (1):9-13.
- Manie T., Brözel, V.J., Veith, W.J., Gouws, P.A. 2001. Antimicrobial resistance of bacterial flora associated with pork products in South Africa. *SA J Sci.* (Submitted)
- Q. Johnson, W.J. Veith, and J. Aalbers. 1999. The effect of dietary protein on the mineral status of the vervet monkey with special reference to the impact of milk solids on calcium excretion. *J Med. Primatology.* 28:334-343
- Q. Johnson, W.J. Veith, and T. Mouton. 2002. The impact of dietary protein intake on serum biochemical and haematological profiles in vervet monkeys. *J. Med. Primatology* 30:
- W.J. Veith, and Q. Johnson . The effect of high and sustainable levels of dietary protein intake on

lipoprotein metabolism in vervet monkeys. (under review)

Manie T, W.J. Veith and P. Gouws. Antibiotic resistance in broilers raised on feed containing avoparcin and oxytetracycline. (In Prep)

Veith, W.J. and Q. Johnson. Cholesterol conundrum. (In prep)

S. Bosh, Y. Melo, W.J. Veith. Evidence of rudimentary Hermaphroditism in stumpnose. Gonadosomatic indices in stumpnose. (In prep)

Veith, W.J. and Manie, T. (A number of papers on antibiotic profiles and resistance in poultry are in prep.)

Refereed abstracts (since 1990)

Leaner, J.J. and Veith, W.J. 1993. The osmotic tolerances of the klipvis, *Clinus superciliosus*. *Marine Scientists Society of Southern Africa Symposium Proc.*

Leaner, J.J. and Veith, W.J. 1995. The reproductive physiology of the South African pilchard, *Sardinops sagax*. *Zoological and Aquatic Sciences in Southern Africa Joint Symposium Proc.*

Johnson, Q., Veith, W.J., Conradie, R., Hough, F.S. Brand, T.S. Franck, and Aalbers, J. (1996). The impact of dietary protein intake on mineral metabolism and bone micro-architecture. *South African Journal of Science*. 92 : 563.

Johnson, Q., Veith, W.J., van der Horst, G. and Seier, J. (1996). The impact of dietary protein intake on testosterone production and sperm quality in male vervet monkeys. *6th International Congress on Cell Biology*, San Francisco, U.S.A.

Johnson, Q. and Veith, W.J. (1997). The influence of dietary protein on calcium excretion, sodium and potassium loss in adult male vervet monkeys. *The 16th International Congress on Nutrition*, Montreal, Canada

Other papers in preparation:

Veith, W.J. and A.C. Goosen. Viviparity and embryonic adaptations in the rock-dwelling clinids *Clinus capensis* and *C. agilis*.

Goosen, A.C. and W.J. Veith. Viviparity and embryonic adaptations in the rock-dwelling clinids *Clinus brevicuistratus* and *C. acuminatus*.

Veith, W.J. and A.C. Goosen. Ovarian and embryonic adaptations in the viviparous teleosts *Clinus venestris* and *C. heterodon*.

CONFERENCE INVOLVEMENT and ABSTRACTS (Since 1985)

1985 Zoological Society of Southern Africa Conference (Pietermaritzburg)

1985 Conference of the Herpetological Association of Africa (Pietermaritzburg)

Paper delivered:

W.J. Veith. The annual reproductive cycle of the skink *Mabuya capensis* in the South Western Cape Province.

1986 Zoological Society of Southern Africa Conference (RAU)

Paper delivered:

W.J. Veith, D.A. Cornish and C. Goosen. Viviparity in the genus *Clinus*.

1989 EMSSA

Paper delivered:

D.A. Cornish and W.J. Veith. Scanning electron microscopy of epidermal adaptations in *Clinus dorsalis* (Perciformes Clinidae).

1991 Conference on Nutrition, University of Cape Town.

1993 ADSA workshop:

Paper delivered:

W.J. Veith. The effect of modern animal husbandry techniques on the nutritional value of animal products.

1993 XV International Congress on Nutrition (held at Adelaide, Australia).

Poster presented:

Johnson, Q., Veith, W.J., Brand, T., Franck, F. The effect of elevated dietary protein concentrations on calciuresis and its implications for osteochondrosis in sheep.

1993 Marine Scientists Society of Southern Africa Symposium (Club Mykonos, S.A.)

Poster presented:

Leaner, J.J. and Veith, W.J. The osmotic tolerances of the klipvis, *Clinus superciliosus*.

1994 National Osteoporosis Foundation

Paper delivered:

Johnson, Q., Conradie, R., Veith, W.J., Brandt, T., Franck, F., Hough, F.S. The effect of dietary protein consumption on mineral metabolism and its implications for the development of bone abnormalities.

1995 Zoological and Aquatic Sciences in Southern Africa Joint Symposium

Poster presented:

Leaner, J.J. and Veith, W.J. 1995. The reproductive physiology of the South African pilchard, *Sardinops sagax*.

1995 The 1st International Cell and Molecular Biology Congress, WITS University, Johannesburg, R.S.A.

Poster presented:

Johnson, Q., Veith, W.J., Brand, T.S. and Franck, F. The impact of dietary protein intake on mineral metabolism in Merino rams.

1996 The Zoological Society of Southern Africa Conference, University of Pretoria, R.S.A.

Poster presented:

Johnson, Q., Veith, W.J., Brand, T.S. and Franck, F. (1996). The role of dietary protein in the development of skeletal disease.

1996 The 6th International Congress of Cell and Molecular Biology, San Francisco, U.S.A.

Poster presented: Johnson, Q., Veith, W.J., van der Horst, G. and Seier, J. The effect of dietary protein consumption on testosterone production and associated sperm quality in vervet monkeys.

1996. Ninth biennial conference of the SASM, Pretoria, July 1996.

Poster presented:

Manie, T. Khan, S. Veith, W.J., Gouws, P.A., Brosel, V.S. Antimicrobial resistance in staphylococci, enterobacteria and total aerobic bacteria from isolated meat products.

1997 The 16th International Congress of Nutrition, Montreal, Canada.

Poster presented: Johnson, Q., and Veith, W.J. The effect of dietary protein intake and its impact on calcium excretions, sodium and potassium loss in adult male vervet monkeys.

1998. 8th International Spermatological Conference, Montreal, Canada.

Poster presented:

Johnson, Q., and Veith, W.J. Declining sperm quality in vervet monkeys: The role of Westernized vs. African traditional diets.

- 1998.** Proceedings of the Biennial Congress of the South African Society for Microbiology, Durban 5-8 July

Poster presented:

T. Manie, V.S. Brözel, W.J. Veith, and **P.A. Gouws**. 1998. Antimicrobial resistance of bacterial flora associated with Bovine products in South Africa.

- 1998.** International Association of Milk, Food and Environmental Sanitarians, 85th Annual Meeting, Nashville, Tennessee, USA. 16-19 Aug

Poster presented:

Manie, T., Khan, S., Brözel, V.S., Veith, W.J., and **Gouws, P.A.** 1998. Antimicrobial resistance of bacteria isolated from slaughtered and retail chicken in South Africa.

- 1999** 9th International Andrology Congress, Stellenbosch

Poster presented:

Effect of dietary protein on sperm quality in vervet monkeys.

PUBLICATION REVIEWS

I have evaluated project proposals for grant applications to BAARD (Israel) and the National Research Council (U S A). I have also reviewed research articles submitted to South African journals.

OVERSEAS EXPERIENCE:

1980-1981 I spent my sabbatical at Anuenue Fisheries Research Centre and the Department of Animal Science, University of Honolulu, U.S.A., where I was involved with aquaculture, reproductive physiology and osmoregulation research on the freshwater prawn *Macrobrachium rosenbergii*.

1989 I spent six weeks with the Geoscience Institute, Loma Linda University, California, where I was involved with fieldwork on petrified forests.

1997 Tour of British universities funded by the Royal Society London to set up cooperative research programmes with UWC Zoology

Since 1990 I have had the privilege to attend and present seminars at numerous overseas universities and international health bodies. Countries I have visited in a lecturing capacity

include: Germany, Austria, UK, France, Switzerland, Poland, Romania, Ukraine, Czech Republic, Slovenia, Norway, Australia, Canada, USA and numerous African and South American countries.

PUBLIC LECTURES AND COMMUNITY SERVICE

General: I have been involved with teacher training (IWWOUS and FITMAST). I was involved in the introduction of FITMAST at UWC whilst I was employed at Stellenbosch University. I have presented numerous lectures on science in general and nutrition in particular at schools, colleges, universities and public venues both locally and overseas. I am concerned about undernourishment and the spread of animal borne diseases and contaminants and their impact on population health, particularly in disadvantaged societies. Much of my lecturing programme is geared to inform the public, but I also present lectures, on invitation, to the medical fraternity and executives. Some of the more recent lectures and talk shows for which I was an invited speaker were:

1991 NOSA (National Occupational Safety Organization). Series of lectures on nutrition to South African executives.

1991 Guest speaker (University Hour) Radio Malawi.

1992 Department of Chemical Pathology, Tygerberg Hospital. Lecture on current health issues, pertaining to disease transfer from livestock to humans.

1992 Series of radio interviews on the subject of current health issues with the German radio station "Stimme der Hoffnung"

1993 Department of Biochemistry University of Stellenbosch Medical School: Lecture on diet related diseases in humans.

1994 Radio Xhosa interview on diet and disease.

1995 Lecture on current health issues at Waldfriede Hospital Berlin, Germany.

1995 Series of lectures on current health issues for the organisation "Liga Leben und Gesundheit", Switzerland.

Since 1995 Guest lecturer High Rustengerg Hydro

1995 Guest lecturer at the National Chiropractor Convention

1997 Guest speaker on the Raiffe Meyer show, BC Canada, on nutrition and disease

1997 Guest speaker on Loma Linda campus, California, on nutrition and disease

1998. Guest Speaker Radio 567 and 702, South Africa, on nutrition and disease

- 1998** Invited speaker, Western Cape Infection Control Society
- 1998** Guest speaker, Radio Romania, on nutrition and disease
- 1999** Carte Blanch TV show guest appearance on dairy and health.
- 1999** Invited speaker, AIM Organization, on nutrition and disease
- 1999** Guest Speaker Radio South Africa, on nutrition and disease
- 2000** Guest Speaker Radio South Africa, on nutrition and disease
- 2000** Guest speaker on three USA and Canadian radio stations
- 2000** Two hour interview on the German radio station "Radio F"
- 2000** Invited speaker, AIM Organization, on nutrition and disease
- 2001-2011** Guest speaker on numerous radio and television talk shows in South Africa, Canada, USA, South America and Europe.

AWARDS, BURSARIES/RESEARCH GRANTS

- 1975** Deutscher Akademischer Austauschdienst DAAD (I did not accept this bursary due to other commitments)
- 1980** CSIR Post-doctoral bursary
- 1980** Harry Crossley Scholarship.

I have obtained research funding for my own and my post graduate student research programme from the:

CSIR, Nature Foundation, MRC, NRF (UDP) and UWC. Current funding from NRF (Individual Programme). Currently thrust leader for the NRF **Experimental Nutritional Physiology** thrust.

1995-2001 Recipient and project leader of the joint "**Royal Society London**" and **FRD grant** for RDP (Reconstruction and Development Program). This prestigious grant was only awarded to five individuals at five institutions and was given to those individuals and institutions most likely to contribute substantially towards the training of post graduate students for the RDP (Reconstruction and Development program).

W.J.VEITH

