
PART FOUR REFERENCES



- Abdelaziz, M., Musa, B. & Ali, B.H. 1982 Studies on the reproductive features of male [sic!] Nubian goats. I. Oestrus cycle. *Sudan J. Vet.Sci.Anim.Husb.* 23: 11-14.
- Abdel Rahim, A.G. 1987 The chemical composition and nutritional value of camel (*Camelus dromedarius*) and goat (*Capra hircus*) milk. *World Rev.Anim.Prod.* 23(1): 9-12.
- Aboul-Ela, M.B., Aboul-Naga A.M., El-Nakhla, S.M. & Mousa, M.R. 1988 Cyclic activity, ovulation rate and breeding performance of the prolific Egyptian Nubian goats. *Proc.11th Int.Cong.Anim.Reprod. A.I.* 1: 545.
- Ademosun, A.A. & Adebowale, E.A. 1981 The carcass characteristics and chemical composition of the organs and muscles of sheep and goats fed brewers' dried grains rations. *Trop.Anim.Prod.* 6: 133-137.
- Ademosun, A.A., Bosman, H.G. & Roessen, P.L. 1985 Nutritional studies with West African Dwarf goats in the humid zone of Nigeria. IN: Wilson, R.T. & Bourzat, D. (eds) *Small Ruminants in African Agriculture*. International Livestock Centre for Africa: Addis Ababa, Ethiopia. pp. 82-92.
- Adu, I.F., Buvanendran, V. & Lakpini, C.A.M. 1979 The reproductive performance of Red Sokoto goats in Nigeria. *J.Agric.Sci., Camb.* 93: 563-566.
- Agyemang, K., Negussie Akalework, Voorthuizen, A. & Anderson, F.M. 1985 A rapid survey of sheep production in the traditional sector of Debre Berhan, Ethiopian Highlands. IN: Wilson, R.T. & Bourzat, D. (eds) *Small Ruminants in African Agriculture*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 174-185.
- Akinsoyinu, A.O., Mba, A.U. & Olubajo, F.O. 1975 Studies on energy and protein utilization for pregnancy and lactation by the West African Dwarf goat in Nigeria. *East Afr.Agric.For.J.* 41: 167-176.
- Akinsoyinu, A.O., Mba, A.U. & Olubajo, F.O. 1977 Studies on milk yield and composition of the West African Dwarf goat in Nigeria. *J.Dairy Res.* 44: 57-62.

- Akinsoyinu, A.O., Tewe, O.O., Ngere, L.O. & Mba, A.U. 1981 Milk composition and yield of the Red Sokoto (Maradi) goats in Nigeria. *Trop.Anim.Prod.* 6: 186.
- Akusu, M.O. & Egbunike, G.N. 1984 Fertility of the West African Dwarf Goat in its native environment following PGF₂ alpha induced oestrus. *Vet.Quart.* 6: 173-176.
- Alaku, O. & Moruppa, S.M. 1983 Body and carcass weight losses in goats during the advanced periods of the West African Sahelian dry season. *World Rev.Anim.Prod.* 19(2): 49-54.
- Amégee, Y. 1983a Le mouton de Vogan (croisé Djallonké x Sahélien) au Togo. *Rev.Elev.Méd.Vét.Pays Trop.* 36: 79-89.
- Amégee, Y. 1983b La prolificité du Mouton Djallonké en milieu villageois au Togo. *Rev.Elev.Méd.Vét.Pays Trop.* 36: 85-90.
- Amégee, Y. 1984a Le mouton de Vogan (croisé Djallonké x Sahélien) au Togo. I. La production lactée et ses relations avec la croissance des agneaux. *Rev.Elev.Méd.Vét.Pays Trop.* 37: 82-90.
- Amégee, Y. 1984b Le mouton de Vogan (Djallonké x Sahélien) au Togo. II. Valeur bouchère des agneaux non engraisés. *Rev.Elev.Méd. Vét.Pays Trop.* 37: 91-96.
- Amégee, Y. 1984c Le mouton de Vogan (croisé Djallonké x Sahélien) au Togo. III. *Performance* d'engraissement et rendement des carcasses. *Rev.Elev.Méd.Vét.Pays Trop.* 37: 97-106.
- Amégee, Y. 1984d Etude de la production laitière de la brebis Djallonké en relation avec la croissance des agneaux. *Rev.Elev. Méd.Vét.Pays Trop.* 37: 331-335.
- Amégee, Y. 1988 Performance de reproduction de la chèvre Djallonké au Togo. IN: Smith, O.B. & Bosman, H.G. (eds) *Goat Production in the Humid Tropics*. Centre for Agricultural Publishing and Documentation: Wageningen, The Netherlands. pp. 137-139.
- APRU 1984 Livestock and range research in Botswana, 1983-1984. Animal Production Research Unit: Gaborone, Botswana.
- APRU 1986 Livestock and range research in Botswana, 1984-1985. Animal Production Research Unit: Gaborone, Botswana.
- Armbruster, T. 1989 La productivité de l'élevage ovin dans la région forestière de la Côte d'Ivoire. International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Arrowsmith, S.P. & Ward, H.K. 1981 Indigenous sheep selection programme and productivity of indigenous sheep and goats. Division of Livestock and Pastures Annual Report 1980/81. Department of Research and Specialist Services: Harare, Zimbabwe.
- Asare, K. & Wilson, R.T. 1986 Notes on village systems of small ruminant production in Ghana and a bibliography of Ghanaian small ruminant research (Group Document N° SRC 5). Small Ruminant and Camel Group, International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Beaton, W.G. 1939 Goat husbandry in Northern Nigeria including a descriptive survey of the causes of mortality. *Rept.Vet.Dept. Nigeria 1937*.
- Berger, Y. & Ginisty, L. 1980 Bilan de 4 années d'étude de la race ovine Djallonké en Côte d'Ivoire. *Rev.Elev.Méd.Vét.Pays Trop.* 33: 71-78.
- BGBA 1984 *The Boer Goat (7th edition)*. Boer Goat Breeders' Association: Somerset East, South Africa.

- Bizimungu, A. 1986 Productivité des petits ruminants en milieu rural. 1. Diagnostique de recensement-bétail dans trois régions différentes de la CEPGL. 2. Aperçu sur les systèmes d'élevage dans trois zones retenues dans la communauté. Institut de Recherche Agronomique et Zootechnique: Gitega, Burundi.
- Bourzat, D. 1980 Contribution à l'étude des races caprines sahéliennes (type peul voltaïque). Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: Maisons-Alfort, France.
- Bourzat, D. 1985 La chèvre naine d'Afrique occidentale: Monographie (Document du Groupe N° SRC 4). Groupe de recherche sur les petits ruminants et les camelidés, International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Bourzat, D., Zessin, K.H., Ahmed Mohammed Hassan, Baumann, M.P.O. & Gautsch, K.D. 1988 Studies on farming systems and small ruminant production in central Somalia. International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Bourzat, D. and Wilson, R.T. 1989 *Principaux aspects zootechniques de la production des petits ruminants dans les systèmes agropastoraux du Yatenga (Burkina Faso)* (Etudes et Synthèses de l'IEMVT N° 31). Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: Maisons-Alfort, France.
- Bradford, G.E. 1983 A note on characteristics of hair sheep in Senegal. IN: Fitzhugh, H.A. & Bradford, G.E. (eds) *Hair Sheep of Western Africa and the Americas*. Westview Press: Boulder, USA. pp. 241-243.
- Branckaert, R. & Habonimana, A.de G. 1987 Caractéristiques de l'élevage ovin au Burundi. Faculté des sciences agronomiques, Université de Burundi: Bujumbura, Burundi.
- Bunch, T.D., Foote, W.C. & Spillet, J.J. 1976 Sheep-goat hybrid karyotypes. *Theriogenology* 6: 379-385.
- Bunderson, W.T., Cook, R.H. & Fadlalla, B. 1984 Range/livestock research activities 1982-1983 (WSARP Publication N° 29). Western Sudan Agricultural Research Project: Khartoum, Sudan.
- Butterworth, M.H., Houghton, T.R., Macartney, J.C., Prior, A.J., Middlemiss, C.P. & Edmond, D.E. 1968 Some observations on the lactation of Blackhead ewes and the growth of lambs: The composition and yield of milk. *J.Agric.Sci., Camb.* 70: 203-207.
- Buvanendran, V., Sooriyaamoorthy, T., Ogunsusi, R.A. & Adu, I.F. 1981 Haemoglobin polymorphism and resistance to helminths in Red Sokoto goats. *Trop.Anim.Hlth Prod.* 13: 217-221.
- Campbell, D.J. 1978 Coping with drought in Kenya Masailand: Pastoralists and farmers of the Loitokitok area (Working Paper N° 337). Institute for Development Studies, University of Nairobi: Nairobi, Kenya.
- CECM 1985 Rapport annuel. Centre d'élevage caprin de Maradi: Maradi, Niger.
- CECM 1986 Rapport annuel. Centre d'élevage caprin de Maradi: Maradi, Niger.
- Charray, J., Coulomb, J., Haumesser, J.B., Planchenault, D. & Puglièse, P.L. 1980 Les petits ruminants d'Afrique centrale et d'Afrique de l'ouest. Synthèse des connaissances actuelles. Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: Maisons-Alfort, France.

- Chatel, M. 1939 Le croisement Karakul-Maure a la bergerie de Nara. *Bull.Serv.Zoot.Epiz.A.O.F.* 2: 59-65.
- Chemitei, V., Makara, C, Ogutu, E., Owiti, J. & Racoczi, G. 1975 The production of Dorper, Red Masai, Dorper x Red Masai first cross and Dorper grade sheep at Ol Magogo estate (Technical Note N° 13). Sheep and Goat Development Project: Naivasha, Kenya.
- Chifamba, I.K., Ward, H.K., Tawonezvi, H.P.R. & Khombe, C.T. 1988a Crossbreeding with indigenous sheep on range and goat production on range. Department of Research and Specialist Services: Harare, Zimbabwe.
- Chifamba, I.K., Ward, H.K., Tawonezvi, H.P.R., Smith, C. & Khombe, C.T. 1988b Productivity of Zimbabwean indigenous sheep, German Mutton Merino and their crosses on range. *J.Agric.Sci., Camb.* 111: 59-65.
- Chigaru, P.R.N. 1971 Reproductive performance of Sabi and German Merino ewes and the growth to weaning of their pure and crossbred offspring (B.Sc. Dissertation). University of London: London, UK.
- Coppock, D.L., Ellis, J.E., Wenpahl, J., McCabe, J.D., Swift, D.M. & Calvin, K.A. 1982 A review of livestock studies of the South Turkana ecosystem. *Proc.SR-CRSP Workshop, Kenya*. Winrock International: Morrilton, USA.
- Corbet, G.B. 1978 *The Mammals of the Palaearctic Region. A Taxonomic Review*. British Museum (Natural History): London, UK.
- Corbet, G.B. & Hill, J.E. 1980 *A World List of Mammalian Species*. British Museum (Natural History): London, UK.
- CRZ 1957 Rapport d'activités. Centre de recherches zootechniques: Sotuba, Mali.
- Curasson, G. 1930 L'élevage ovin au Soudan. *Rev.Méd.Vét.Exot.* 3: 85-86.
- Curasson, G. 1934 Le mouton de Boukhara en A.O.F. *Rev.Méd.Vét.Exot.* 7: 74-78.
- Dahir Mumin, M.A. 1986 Small ruminants in Somalia and their development. IN: Adeniji, K.O. & Kategile, J.A. (eds) *Proceedings of the Workshop on the Improvement of Small Ruminants in Eastern and Southern Africa*. Organization of African Unity/International Development Research Centre: Nairobi, Kenya. pp. 67-79.
- Das, S.M. 1989 Preliminary results on evaluation and breeding of blended dairy goats in Tanzania. IN: Wilson, R.T. & Azeb Melaku (eds) *African Small Ruminant Research and Development*. International Livestock Centre for Africa: Addis Ababa, Ethiopia. pp. 536-545.
- de Almeida, S. & Pimental, C.B. 1986 Some comparative data concerning the behaviour of Karacul and Somali (Persa) sheep in the sub-desert region of Namibe in Angola. *Proc.IV Int.Karakul Symp.* 40-46.
- de Bruijn, S.J. 1986 Sheep production in Zimbabwe. IN: Adeniji, K.O. & Kategile, J.A. (eds) *Proceedings of the Workshop on the Improvement of Small Ruminants in Eastern and Southern Africa*. Organization of African Unity/International Development Research Centre: Nairobi, Kenya. pp. 365-375.
- Deciry, A. 1987 Contribution à l'étude des paramètres zootechniques des races ovines Massa, Foulbé et Djallonké dans l'extrême nord Cameroun (These de Docteur Vétérinaire). Ecole Nationale Vétérinaire: Maisons-Alfort, France.
- Demissie Tiyo, Kassahun Awgichew & Yohannes Gojjam 1989 Comparison of castrated and entire Horro male lambs for growth and fattening ability under various feeding regimes. *Proc.2nd National Livestock Improvement*

Conf., 24-26 February 1988, Addis Ababa, Ethiopia. Institute of Agricultural Research: Addis Ababa, Ethiopia. pp. 74-77

de Pinho Morgado, F. 1954 Subsídios para o conhecimento das espécies pecuárias de Moçambique. II. A cabra Landima e a cabra do Pafuri. *Ann.Serv.Vet.* 6: 478-484.

de Pinho Morgado, F. 1959 Referências sobre o origem da cabra do Pafuri no Alto Limpopo. *Ann.Serv.Vet.* 7: 357-359.

Devendra, C. & Burns, M. 1983 *Goat Production in the Tropics (2nd Edition)* (Tech.Comm.Nº 19, Commonw.Bur.Anim.Breed.Genet.). Commonwealth Agricultural Bureaux: Farnham Royal, UK.

Djibrillou Oumara, A. 1986 Croissance et viabilité de la chèvre rousse de Maradi au Centre d'élevage caprin de Maradi (Niger) (Thèse de Docteur Vétérinaire). Ecole Inter-Etats des Sciences et de Médecine Vétérinaires: Dakar, Sénégal.

Doutressoulle, G. 1947 *L'Élevage en Afrique Occidentale Française*. Larousse: Paris, France.

Dumas, R. 1977 Etude sur l'élevage des petits ruminants du Tchad. Institut d'Élevage et de Médecine Vétérinaire des Pays Tropicaux: Maisons-Alfort, France.

Dumas, R. 1980 Contribution à l'étude des petits ruminants du Tchad. *Rev.Elev.Méd.Vét.Pays Trop.* 33: 215-233.

Dumas, R. & Raymond, H. 1975 L'élevage des petits ruminants dans les circonscriptions de Kaya, Ouahigouya et du Sahel. Société pour le Développement Economique et Social: Paris, France.

Dumas, R. Lefèvre P.-C. & Deslandes, P. 1977 Etude sur l'élevage des petits ruminants du Tchad. Direction de l'élevage: N'Djaména, Chad.

Ehoche, O.W. & Buvanendran, V. 1983 The yield and composition of milk and preweaning growth rate of Red Sokoto goats in Nigeria. *World Rev.Anim.Prod.* 19(2): 19-24.

El-Amin, F.M. 1983 Performance recording of sheep in the Sudan. *IFS Provisional Report* 14: 195-204.

El-Hag, M.G., El-Hag, G.A. & Gaali, E. 1984 Sudan Desert sheep and goats: Performance on high roughage and concentrate diets with Monensin. *Int.Goat Sheep Res.* 2: 243-251.

El-Hag, M.G., Kurdi, O.I. & Maghoub, S.O. 1985 Performance and carcass characteristics of Sudan Desert sheep and goats on high roughage diets with added fat. *Anim.Feed Sci.Tech.* 13: 147-153.

El-Naim, Y.A. 1979 Some reproductive and productive traits of Sudan Nubian goats (M.V.Sc. Dissertation). University of Khartoum: Khartoum, Sudan.

El-Tayeb, A.E., Abdel Raheim, F.M., Tibin, I.M. & El-Kareim, A.M.A. 1987 Influence of cottonseed cake and blood nitrogen on carcass characteristics of Sudan Nubian goats. *Sudan J.Vet.Sci.Anim.Husb.* 26:

El-Tayeb, A.E., Nour el-Din, A.A. & Tibin, I.M. 1987 Effect of two different roughage to concentrate ratios on carcass traits of Sudan Desert sheep. *Sudan J.Vet.Sci.Anim.Husb.* 26: 83-90.

Epstein, H. 1953 The dwarf goats of Africa. *East Afr.Agric.J.* 18: 123-132.

Epstein, H. 1971 *The Origin of the Domestic Animals of Africa*. Africana Publishing Corporation: New York, USA.

Evans, J.V., Blunt, M.H. & Southcott, W.H. 1963 The effects of infection with *Haemonchus contortus* on the sodium and potassium concentrations in the

erythrocytes and plasma in sheep of different haemoglobin types. *Australian J.Agric.Res.* 14: 549-558.

Fall, A., Diop, M., Sandford, J., Gueye, E., Wissocq, Y.J., Durkin, J. & Trail, J.C.M. 1983a Etude sur la productivite de moutons Djallonké au Centre de Recherches Zootechniques de Kolda, au Sénégal. I. Paramètres de reproduction et viabilité. *Rev.Elev. Méd.Vét.Pays Trop.* 36: 183-190.

Fall, A., Diop, M., Sandford, J., Gueye, E., Wissocq, Y.J., Durkin, J. & Trail, J.C.M. 1983b Etude sur la productivité de moutons Djallonké au Centre de Recherches Zootechniques de Kolda, au Sénégal. II. Poids corporels, productivité des brebis et du troupeau. *Rev.Elev.Méd.Vét.Pays Trop.* 36: 283-289.

FAO 1985 *Production Yearbook, Volume 39.* Food and Agriculture Organization: Rome, Italy.

Fasanya, O.O.A., Molokwu, E.C.I., Adeyemu, O. & Umaru, I.I. 1988 Onset of puberty in the savanna brown goat under semi-intensive management system. *Proc.VI World Conf.Anim.Prod.* 589.

Faure, A.S. 1986 Die invloed van sekere omgewingsfatore op die geslagsontwikkeling en reprodusievermoeie van Karakulskaper (D.Sc. (Agric.) Thesis). Stellenbosch University: Stellenbosch, South Africa.

Ferguson, W. 1964 The development of sheep and goat production in the northern region of Nigeria. First African Regional Meeting on Animal Production and Health, Addis Ababa. Food and Agriculture Organization: Rome, Italy.

Fehilly, C.B., Willadsen, S.M. & Tucker, E.M. 1984 Interspecific chimaerism between sheep and goat. *Nature* 307: 634-636.

Francis, P.A. 1988 Livestock and farming systems in south-east Nigeria. IN: Smith, O.B. & Bosman, H.G. (eds) *Goat Production in the Humid Tropics.* Centre for Agricultural Publication and Documentation: Wageningen, The Netherlands, pp. 159-169.

Gaillard, Y. 1979. Caractéristiques de la reproduction de la brebis Oudah. *Rev.Elev.Méd.Vét.Pays Trop.* 32: 288-290.

Galal, E.S.E. & Getachew Feleke 1977 Milk production of some Ethiopian breeds of sheep and goats. *Anim.Prod.Bull.IAR Ethiopia* 4: 1-7.

Galal, E.S.E. & Kassahun Awgichew 1981 A note on the relationship between duration of mating season and flock fertility in some Ethiopian breeds of sheep and goats. *World Rev.Anim.Prod.* 17(1): 9-13.

Galal, E.S.E., Sebhatu Gebrelul & Getachew Feleke 1977 Performance of first crop of lambs/kids (Melka Werer Research Station). *Anim.Prod.Bull.IAR Ethiopia* 2: 1-11.

Gerbaldi, P. 1978 Etude de la reproduction et de l'élevage de la chèvre bariolée en zone nomade -- Comparaison avec la chèvre rousse. Institut national de recherches agronomiques nigériennes: Niamey, Niger.

Gray, A.P. 1972 *Mammalian Hybrids. A Check-list with Bibliography.* Commonwealth Agricultural Bureaux: Farnham Royal, UK.

Gray, R.C. 1987 Production parameters of Tswana goats. *Proc.VI SR-CRSP Ann.Conf., 4-6 November 1987, Nairobi, Kenya.* Winrock International: Morrilton, USA.

Hadzi, Y.N. 1988a Rôle et productivité de la chèvre au Togo. IN: Smith, O.B. & Bosman, H.G. (eds) *Goat Production in the Humid Tropics.* Centre for Agricultural Publishing and Documentation: Wageningen, The Netherlands. pp. 174-178.

Hadzi, Y.N. 1988b Reproductive parameters of Djallonké sheep at Kolokopé, Togo. *Small Rumin.Camel Group Newsletter* 12: 40-41.

Hadzi, Y.N. 1989 Facteurs de mortalité et de croissance des agneaux Djallonké au Togo. IN: Wilson, R.T. & Azeb Melaku (eds) *African Small Ruminant Research and Development*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 496-509

Hale, D.H. 1986 Systems of production and productivity of goats in three communal areas of Zimbabwe. IN: Adeniji, K.O. & Kategile, J.A. (eds) *Proceedings of the Workshop on the Improvement of Small Ruminants in Eastern and Southern Africa*. Organization of African Unity/International Development Research Centre: Nairobi, Kenya, pp. 181-193.

Hanon, H. 1976 La chèvre commune rwandaise (Note technique N° 2). Institut des sciences agronomiques du Rwanda: Butaré, Rwanda.

Haumesser, J.B. 1975 Quelques aspects de la reproduction chez la chèvre rousse de Maradi. Comparaison avec d'autres races tropicales ou subtropicales. *Rev.Elev.Vét.Méd.Pays Trop.* 28: 225-234.

Henry, Y. 1918 La laine au Soudan. *Matieres Premieres Africaines* 1: 220-226.

Hofmeyr, H.S. 1965 History of the Boer goat. *Fmg S.Afr.* 41: 7.

Hofmeyr, H.S., Joubert, D.M., Badenhorst, F.J.G. & Steyn, G.J. van D. 1965 Adaptability of sheep and goats to a South African tropical environment. *Proc.S.Afr.Soc.Anim.Prod.* 4: 191.

Hofmeyr, H.S., Joubert, D.M., Badenhorst, F.J.G. & Steyn, G.J. van D. 1966 On the sex activity of female Boer goats. *Proc.S.Afr.Soc. Anim.Prod.* 5: 134.

Hunter, J.A. 1989 Small ruminants in the household economy of Lesotho. IN: Wilson, R.T. & Azeb Melaku (eds) *African Small Ruminant Research and Development*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 60-76.

Ibrahim, A.T. 1975 Contribution à l'étude de l'élevage ovin au Niger. Etat actuel et propositions d'amélioration (Thèse de Docteur Vétérinaire). Ecole Inter-Etats des Sciences et de Médecine Vétérinaires: Dakar, Sénégal.

IEMVT 1971 Principales races domestiques des zones tropicales d'Afrique francophone et Madagascar. Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: Maisons-Alfort, France.

ISRA 1988 L'élevage traditionnel des petits ruminants dans la zone de Kolda (Haute Casamance). Institut Sénégalais de recherches agricoles: Dakar, Sénégal.

Kamwanja, L.A., Ayoade, J.A. & Makhambera, T.P.E. 1985 Characterization of small ruminants in the Mitundu area, Lilongwe, Malawi. IN: Wilson, R.T. & Bourzat, D. (eds) *Small Ruminants in African Agriculture*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 164-172.

Karua, S.K. 1989 Some performance indicators of Malawi indigenous goats under village and ranch conditions. IN: Wilson, R.T. & Azeb Melaku (eds) *African Small Ruminant Research and Development*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 23-36.

Kasowanjete, M., Stotz, D. & Zerfas, H.P. 1987 Goat development programme in Malawi. *Small Rumin.Camel Group Newsletter* 8: 15-21.

Kassahun Awgichew, Demissie Tiyo & Yohannes Gojjam 1989 Productivity of Horro ewes under 12-month and 8-month mating systems. *Proc.2nd National Livestock Improvement Conf., 24-26 February 1988, Addis Ababa,*

- Ethiopia*. Institute of Agricultural Research: Addis Ababa, Ethiopia, pp. 78-81
- Kassahun Awgichew & Getaneh Hailu 1986 Review of small ruminant research and development activities in Ethiopia. IN: Adeniji, K.O. & Kategile, J.A. (eds) *Proceedings of the Workshop on the Improvement of Small Ruminants in Eastern and Southern Africa*. Organization of African Unity/International Development Research Centre: Nairobi, Kenya, pp. 269-274.
- Kassahun Awgichew, Yibrah Yacob & Fletcher, I. 1989 Productivity of purebred Adal and quarterbred Saanen x Adal goats in Ethiopia. IN: Wilson, R.T. and Azeb Melaku (eds) *African Small Ruminant Research and Development*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 510-523.
- Khattab, A.G.H. 1968 Haemoglobin type and blood potassium and sodium concentrations in Sudan Desert sheep. *J.Agric.Sci., Camb.* 70: 95-97.
- Kolff, H.E. & Wilson, R.T. 1985 Livestock production in central Mali: The "Mouton de Case" system of smallholder sheep fattening. *Agric.Syst.* 16: 217-230.
- Kwatu, A.S., Umunna, N.N. & Chineme, C.N. 1983. Feedlot performance and carcass traits of Yankasa rams. I - Effect of varying the concentrate to roughage ratio. *Nigerian J.Anim.Prod.* 10: 76-81.
- Labuschagne, F.J. 1948 The Blackhead Persian. *Fmg S.Afr.* 23: 77-83, 106.
- Lebbie, S.H.B. 1987 Goat production systems in Swaziland. Progress Report Phase I. Animal Production and Health Department, University of Swaziland: Luyengo, Swaziland.
- Lebbie, S.H.B. & Mastapha, P.R. 1985 Goat production in the Swaziland middleveld. IN: Wilson, R.T. & Bourzat, D. (eds) *Small Ruminants in African Agriculture*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 224-234.
- Lebbie, S.H.B. & Manzini, A.T. 1989 The productivity of indigenous goats under traditional management in Swaziland. IN: Wilson, R.T. & Azeb Melaku (eds) *African Small Ruminant Research and Development*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 39-50.
- Mack, S.D. 1983 Productivity of West African Dwarf sheep and goats in south-west Nigeria (Programme Document N° 7). Humid Zones Programme, International Livestock Centre for Africa: Ibadan, Nigeria.
- Maglad, M. & Kudouda, M.E.M. 1987 The growth, performance and blood metabolite patterns of Nubian and Toggenberg [sic!] x Nubian kids. *World Rev.Anim.Prod.* 23(1): 93-96.
- Makhooane, L. 1987 Goat and sheep production in Lesotho. *Small Rumin.Camel Group Newsletter* 9: 3-5.
- Manyuchi, B., Tawonezvi, H.P.R., Smith, T. & de Bruijn, S.J. 1987 Productivity of Dorper and Merino Ewes on an eight month lambing cycle. Department of Research and Specialist Services: Harare, Zimbabwe.
- Martins, C. 1988 Karakul for multipurpose sheep production in arid Botswana. International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Mason, I.L. 1984 Goats. IN: Mason, I.L. (ed) *Evolution of Domesticated Animals*. Longmans: London, UK.
- Mason, I.L. & Maule, J.P. 1960 *The Indigenous Livestock of Eastern and Southern Africa* (Tech.Comm.N° 14, Commonw.Bur.Anim.Breed. Genet.). Commonwealth Agricultural Bureaux: Farnham Royal, UK.

- Matter, H.E. 1988 Studies on the reproductive biology of the Karakul sheep. *Anim.Res.Dev.* 28: 71-79.
- Matthewman, R.W. 1980 Small ruminant production in the humid tropical zone of southern Nigeria. *Trop.Anim.Hlth Prod.* 12: 234-242.
- Mba, A.U., Boyo, B.S. & Oyenuga, V.A. 1975 Studies on the milk composition of West African Dwarf, Red Sokoto and Saanen goats at different stages of lactation. I. Total solids, butterfat, solids-not-fat, protein, lactose and energy contents of milk. *J.Dairy Res.* 42: 217-226.
- Mburu, J.W.S. 1986 Small ruminant production in Kenya. IN: Adeniji, K.O. & Kategile, J.A. (eds) *Proceedings of the Workshop on the Improvement of Small Ruminants in Eastern and Southern Africa*. Organization of African Unity/International Development Research Centre: Nairobi, Kenya, pp. 275-290.
- McLeod, L.A. 1988 Intensive sheep production: Breeds comparison. Department of Research and Specialist Services: Harare, Zimbabwe.
- McLeroy, G.B. 1961 The sheep of the Sudan. 2. Ecotypes and tribal breeds. *Sudan J.Vet.Sci.Anim.Husb.* 2: 101-165.
- Meinecke-Tillman, S. & Meinecke, B. 1984 Experimental chimaeras -removal of reproductive barrier between sheep and goat. *Nature* 307: 637-638.
- Molokwu, E.C.I. & Igono, M.O. 1978 Reproductive performance and pattern in the Brown goat of Nigeria Savannah zone. *Proc.IV World Conf.Anim.Prod.*
- Mombeshora, B., Agyemang, K. & Wilson, R.T. 1985 Livestock ownership and management in the Chibi and Mangwende communal areas of Zimbabwe (Group Document N° SRC 2). Small Ruminant and Camel Group, International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Mosi, A.K., Opasina, B.P., Heyward, B., Carew, B.A.R. & Velez, M. 1982 Productivity of the West African Dwarf goat at village level in south-west Nigeria. International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Mukasa-Mugerwa, E., Ephraim Bekele & Tadesse Tessema 1986 Productivity of indigenous sheep and goats in the Ada district of the Ethiopian highlands. IN: Adeniji, K.O. & Kategile, J.A. (eds) *Proceedings of the Workshop on the Improvement of Small Ruminants in Eastern and Southern Africa*. Organization of African Unity/International Development Research Centre: Nairobi, Kenya, pp. 81-87.
- Mukasa-Mugerwa, E. & Tekelye Bekele 1988 The reproductive performance of Ethiopian Highland sheep. *Anim.Reprod.Sci.* 17: 95-102.
- Ngendahayo, M. 1980 Le mouton local. I. Quelques caractéristiques zootechniques (Note technique N° 6). Institut des sciences agronomiques du Rwanda: Butare, Rwanda.
- Ngendahayo, M. 1982 Le mouton local. II. Estimation de la production laitière et évolution de la quantité d'aliment ingéré pendant la phase d'allaitement (Note technique N° 2). Institut des sciences agronomiques du Rwanda: Butaré, Rwanda.
- Ngere, L.O., Adu, I.F. & Mani, I. 1979 Report of sub-committee on small ruminants: Ad-hoc committee on national livestock breeding policy. National Animal Production Research Institute: Shika, Nigeria.
- Ngere, L.O., Adu, I.F. & Okubanjo, I.O. 1984 The indigenous goats of Nigeria. *Anim.Genet.Res.Info.* 3: 1-9.

- Okello, K.L. 1985 A survey of the productivity and functions of goats in Uganda. IN: Wilson, R.T. and Bourzat, D. (eds) *Small Ruminants in African Agriculture*. International Livestock Centre for Africa: Addis Ababa, Ethiopia, pp. 208-217.
- Oppong, E.N.W. & Yebuah, N.M.N. 1981 Some production traits of the West African Dwarf goat. *Trop.Anim.Hlth Prod.* 13: 208-212.
- Otchere, E.O., Ahmed, H.U., Adenowo, T.K., Kallah, M.S., Bawa, E.L.K., Olorunju, S.A.S. & Voh, A.A. 1987 Northern Nigeria: Sheep and goat production in the traditional Fulani agropastoral sector. *World Anim.Rev.* 64: 50-55.
- Ouedraogo, A.J. 1984 Etude de l'évolution des paramètres zootechniques des ovins et caprins d'un village test du projet petits ruminants de l'ORD, Yatenga (Burkina Faso) (Thèse de DESS). Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux/Université de Paris: Créteil, France.
- Owen, J.E. 1975 The meat-producing characteristics of the indigenous Malawi goat. *Trop.Sci.* 17: 123-138.
- Owen, J.E. & Norman, G.A. 1977 Studies on the meat production characteristics of Botswana goats and sheep -- Part II: General body composition, carcass measurements and joint composition. *Meat Sci.* 1: 283-306.
- Owen, J.E., Norman, G.A., Fisher, I.L. & Frost, R.A. 1977 Studies on the meat production characteristics of Botswana goats and sheep -- Part I: Sampling, methods and materials, and measurements on the live animals. *Meat Sci.* 1: 63-85.
- Owen, J.E., Norman, G.A., Philbrooke, C.A. & Jones, N.S.D. 1978 Studies on the meat production characteristics of Botswana goats and sheep -- Part III: Carcass tissue composition and distribution. *Meat Sci.* 2: 59-74.
- Oyedipe, E.O., Pathiraja, N., Edqvist, L.E. & Buvanendran, V. 1986 Onset of puberty and oestrus cycle phenomena in Yankasa ewes as monitored by plasma progesterone concentrations. *Anim.Reprod.Sci.* 12: 195-199.
- Paiva, J.A. 1969 Estudo comparativo dos ovinos "Persa de Cara Negra" e "Landim" na Estacao Zootecnica de Chobela. *Vet.Moçambic.* 2: 39-47.
- Peacock, C.P. 1983 Phase exploratoire d'une étude des systèmes de production animale dans le Gourma malien: données de base sur le cheptel caprin et ovin (Document de programme N° AZ 92c). International Livestock Centre for Africa: Bamako, Mali.
- Pepler, A.J. & Hoffman, F.E. 1935 Breeding for mutton at Potchefstroom. Various crosses with the Blackhead Persian. *Fmg S.Afr.* 10: 97-100.
- PDEC 1986 Rapport technique annuel. Projet de développement de l'élevage caprin de Ngozi: Ngozi, Burundi.
- Phoya, R.K.D. 1982 Composition and milk yield of Malawian local goat. *Trop.Anim.Prod.* 7: 71.
- Preston, M. & Allonby, E.W. 1979 The influence of breed on the susceptibility of sheep to *Haemonchus contortus* infection in Kenya. *Res.Vet.Sci.* 26: 134-139.
- Rakoczi, G. 1974a An analysis of fertility, prolificacy and weight gaining data in the preweaning period of two groups of Boran goats at Kiboko range research station (Preliminary information) (Technical Note N° 3). Sheep and Goat Development Project: Naivasha, Kenya.

- Rakoczi, G. 1974b An analysis of fertility, prolificacy and weight gaining data in the preweaning period of two groups of Blackhead Persian sheep at Kiboko Range Research station (Technical Note N° 2). Sheep and Goat Development Project: Naivasha, Kenya.
- Robinet, A.H. 1967 La chèvre rousse de Maradi. Son exploitation et sa place dans l'économie et l'élevage de la République du Niger. *Rev.Elev.Méd.Vét.Pays Trop.* 20: 129-196.
- Rocha, A., McKinnon, D. & Wilson, R.T. 1990a Physical description and productivity of Landim goats and sheep in Mozambique. *Trop.Agric.(Trinidad)* in press.
- Rocha, A., McKinnon, D. & Wilson, R.T. 1990b Comparative performance of Landim and Blackhead Persian sheep in Mozambique. *Small Rumin.Res.* in press.
- Rombaut, D. & van Vlaenderen, G. 1976 Le mouton Djallonké de Côte d'Ivoire en milieu villageois. Comportement et alimentation. *Rev.Elev.Méd.Vét.Pays Trop.* 29: 157-172.
- Ryder, M.L. 1984 Sheep. IN: Mason, I.L. (ed) *Evolution of Domesticated Animals*. Longmans: London, UK.
- Sacker, G.D. & Trail, J.C.M. 1966 Production characteristics of a flock of East African Blackheaded sheep. *E.Afr.Agric.For.J.* 31: 392-398.
- Schwartz, H.J. 1983 Improved utilization of arid rangelands through multiple species herds. *Proc.5th World Conf.Anim.Prod.* 2: 625-626.
- Schwartz, H.J. & Said, A.N. 1986 Progress report October 1985-May 1986. Small Ruminant and Camel Research Unit, Department of Animal Production, University of Nairobi: Nairobi, Kenya.
- Schwartz, S. 1985 Okonomie das Hongers: Konsummuster und Vermarktungsverhalten nomadischen Viehhalter Nordkenias (Ph.D. Thesis). Free University: Berlin, West Germany.
- Sissay Lemma, Kassahun Awgichew, Getachew Worku, Adugna Kitila & Fletcher, I. 1989 Comparative evaluation of Menz and Awassi x Menz crossbred sheep: I. Birth weight, weaning weight, and wool production. *Proc.2nd National Livestock Improvement Conf., 24-26 February 1988, Addis Ababa, Ethiopia*. Institute of Agricultural Research: Addis Ababa, Ethiopia, pp. 82-86.
- Sow, R., Thiongane, P.I. & Tchamitchian, L. 1987. Results of five years of research on Peul and Touabire sheep at Dahra (Senegal). *Small Rumin.Camel Group Newsletter* 9: 11-17.
- Skinner, J.D. 1972 Utilisation of the Boer goat for intensive animal production. *Trop.Anim.Hlth Prod.* 4: 120-128.
- Sulieman, A.H., Ali, H.O. & El-Jack, E.E. 1985 Investigations on characteristics of Shugor, Dubasi and Watish ewe lambs at first lambing at El Huda Sheep Research Station. *World Rev.Anim.Prod.* 21(1): 55-58.
- Sulieman, A.H. & Eissawi, M.A. 1984. Productive performance of some tribal breeds of Sudan Desert sheep under irrigated conditions. *Sudan J.Vet.Sci.Anim.Husb.* 24: 87-93.
- Sulieman, A.H. & El-Shafei, S.A. 1984 A note on the performance of Sudanese Nubian goat compared with an exotic group of British dairy goats. *Sudan J.Vet.Sci.Anim.Husb.* 24: 101-104.
- Sulieman, A.H. & El-Tahir, A.K. 1984 A preliminary study on milk production and quality in some tribal breeds of Sudan Desert sheep. *Sudan J.Vet.Sci.Anim.Husb.* 24: 94-100.

- Sulieman, A.H. & Wilson, R.T. 1989 Productivity of three sub-types of Sudan Desert sheep at El Huda Research Station, Sudan. IN: Wilson, R.T. & Azeb Melaku (eds) *African Small Ruminant Research and Development*. International Livestock Centre for Africa: Addis Ababa, pp. 552-564.
- Sulieman, A.H. & Wilson, R.T. 1990 A note on production characteristics of three sub-types of Sudan Desert sheep under station management. *Anim.Prod.* in press.
- Tawonezvi, H.P.R. & Ward, H.K. 1986 Productivity of indigenous sheep and goats. 3. Comparison of species. *Zimbabwe J.Agric.Res.* in press.
- Tchakerian, E. 1979 Elevage ovin naisseur-éleveur en milieu agropastoral. Structure d'exploitation de Boudel. Centre national de recherche agronomique: Bambey, Senegal.
- Thys, E. 1989 L'influence du mode de castration sur les paramètres zootechniques et endocrinologiques des béliers Poulfouli de l'extrême-nord Cameroun (Thèse de Docteur Sci.Vet.). Université de l'Etat: Gent, Belgium.
- Togo 1983 Recensement général de l'agriculture togolaise 1982-1983. Direction des enquêtes et statistiques agricoles: Lomé, Togo.
- Trail, J.C.M. & Sacker, G.D. 1966 Production characteristics of a herd of East African Mubende goats. *Trop.Agric.(Trinidad)* 43: 43-51.
- Ueckermann, L., Joubert, D.M. & Steyn, G.J. van D. 1974 The milking capacity of Boer goat does. *World Rev.Anim.Prod.* 10(4): 73-83.
- Vallée, M. 1938 Croisement brebis maures-béliers karakuls au Soudan. *Bull.Serv.Zoot.Epiz.A.O.F.* 1: 46-49.
- Vallerand, F. & Branckaert, R. 1975 La race ovine Djallonké au Cameroun. Potentialités zootechniques, conditions d'élevage, avenir. *Rev.Elev.Méd.Vét.Pays Trop.* 28: 523-545.
- van der Westhuysen, J.M., Wentzel, D. & Grobler, M.C. 1985 Angora goats and mohair in South Africa. South African Mohair Growers' Association: Jansenville, South Africa.
- van Rensburg, P.J.J. 1938 Boer goats. *Fmg S.Afr.* 13: 133-134.
- von Bassewitz, H. 1983 Perspectives d'amélioration de l'élevage ovin en zone soudanienne de l'Afrique de l'Ouest examinées par l'exemple de la Côte d'Ivoire (Thèse de Docteur Agric.Sci.). Université de Stuttgart-Hohenheim: Hohenheim, West Germany.
- Wilson, R.T. 1975 Comparative data on two populations of sheep and goats in Sudan and Ethiopia. *Sudan J.Vet.Sci.Anim.Husb.* 16: 1-11.
- Wilson, R.T. 1976a Studies on the livestock of Southern Darfur, Sudan. III. Production traits in sheep. *Trop.Anim.Hlth Prod.* 8: 103-114.
- Wilson, R.T. 1976b Studies on the livestock of Southern Darfur, Sudan. IV. Production traits in goats. *Trop.Anim.Hlth Prod.* 8: 221-232.
- Wilson, R.T. 1978 Livestock production on Masai group ranches. 1. A preliminary survey of the goat and sheep populations at Elangata Wuas. *E.Afr.Agric.For.J.* 43: 193-199.
- Wilson, R.T. 1981 Livestock production in central Mali: Attempts to produce raw materials of animal origin for the French textile industry during the colonial period. *Text.Hist.* 12: 104-117.
- Wilson, R.T. 1983a Livestock production in central Mali: The Macina wool sheep of the Niger inundation zone. *Trop.Anim.Hlth.Prod.* 15: 17-31.
- Wilson, R.T. 1983b Sedentary sheep in the Sahel and Niger delta of central Mali. IN: Fitzhugh, H.A. & Bradford, G.E. (eds) *Hair Sheep of Western Africa and the Americas*. Westview Press: Boulder, USA. pp. 245-254.

- Wilson, R.T. 1984a Livestock production in central Mali: Contribution of goats and sheep to meat supply of a Sahelian town. *Int.Goat Sheep Res.* 2: 293-300.
- Wilson, R.T. 1984b Livestock production in central Mali: Sheep husbandry in the traditional sector. *World Anim.Rev.* 53: 8-14.
- Wilson, R.T. 1986 *Livestock production in central Mali: Long-term studies on cattle and small ruminants in the agropastoral system* (Research Report N° 14). International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Wilson, R.T. 1987 Productivity of traditionally managed small ruminants in an agro-pastoral system in northern Burkina Faso. *Trop.Agric.(Trinidad)* 64: 163-169.
- Wilson, R.T. 1988 The productivity of Sahel goats and sheep under transhumant management in northern Burkina Faso. *Bull.Anim.Hlth Prod.Afr.* 36: 348-355.
- Wilson, R.T. & Clarke, S.E. 1975 Studies on the livestock of Southern Darfur, Sudan. I. The ecology and livestock resources of the area. *Trop.Anim.Hlth Prod.* 7: 165-187.
- Wilson, R.T., de Leeuw, P.N. & de Haan, C. 1983 *Recherches sur les systèmes des zones arides du Mali: Resultats preliminaires* (Rapport de recherche N° 5). International Livestock Centre for Africa: Addis Ababa, Ethiopia.
- Wilson, R.T. & Durkin, J.W. 1983 Livestock production in central Mali: Weights at first conception and ages at first and second parturitions in traditionally managed goats and sheep. *J.Agric.Sci., Camb.* 100: 625-628.
- Wilson, R.T. & Durkin, J.W. 1988 Livestock production in central Mali: Reproductive performance in traditionally managed sheep and goats, *Livestock Prod.Sci.* 19: 523-529.
- Wilson, R.T. & Light, D. 1986 Livestock production in central Mali: Economic characters and productivity indices for traditionally managed goats and sheep. *J.Anim.Sci.* 62: 567-575.
- Wilson, R.T. & Murayi, Th. 1988a Productivity of the Small East African goat and its crosses with the Anglo-nubian and the Alpine in Rwanda. *Trop.Anim.Hlth Prod.* 20: 219-228.
- Wilson, R.T. & Murayi, Th. 1988b Production characteristics of African long-fat-tailed sheep in Rwanda. *Small Rumin.Res.* 1: 3-17.
- Wilson, R.T., Murayi, Th. & Rocha, A. 1989 Indigenous African small ruminants with potentially high reproductive performance. *Small Rumin.Res.* 2: 107-117.
- Wilson, R.T. & Ole Maki, M. 1989 Goat and sheep population changes on a Masai group ranch in south-western Kenya, 1978-1986. *Agric.Syst.* 29: 325-337.
- Wilson, R.T., Peacock, C.P. & Sayers, A.R. 1983 Livestock production on Masai group ranches. 2. Growth and liveweight in goats and sheep and the factors influencing them. *Beit.Trop.Land.Vet.Med.* 21: 191-198.
- Wilson, R.T., Peacock, C.P. & Sayers, A.R. 1984 Aspects of reproduction in goats and sheep in south-central Kenya. *Anim.Prod.* 38: 463-467.
- Wilson, R.T., Peacock, C.P. & Sayers, A.R. 1985 Pre-weaning mortality and productivity indices for goats and sheep on a Masai Group Ranch in south-central Kenya. *Anim.Prod.* 41: 201-205.

Wilson, R.T. & Sayers, A.R. 1987 Livestock production in central Mali: Effects of climatic variables on the period of birth and on litter size in traditionally managed goats and sheep. *Agric.For.Meteorol.* 40: 31-36.

Wilson, R.T. & Wagenaar, K.T. 1983 Enquête préliminaire sur la démographie des troupeaux et sur la reproduction chez les animaux domestiques dans la zone du projet "Gestion des Paturages et Elevage" de la République du Niger (Document de programme N° AZ 80). International Livestock Centre for Africa: Bamako, Mali.

Yenikoye, A. 1984 Variations annuelles du comportement d'oestrus, du taux et des possibilités d'ovulations chez la brebis Peulh du Niger. *Reprod.Nutr.Dévelop.* 24: 11-19.

Yenikoye, A., Mariana, J.C. & Celeux, G. 1989 Follicular growth during the oestrus cycle in Peul sheep. *Anim.Reprod.Sci.* 21: 201-211.

Yenikoye, A., Pelletier, J., Andre. D. & Mariana, J.C. 1982 Anomalies in ovarian function of Peulh ewes. *Theriogenology* 17: 355-364.

Zeuner, F.E. 1963 *A History of Domesticated Animals*. Hutchinson: London, UK.

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