



Centre for Ecological Sciences
Indian Institute of Science
BANGALORE 560 012
INDIA

A10

1971-72.
88-89

1 bus, only - Maraypur.
14 buses - - -

Garage
1,000
20,000.

Forewood. No depot.

HADP: Electric Feeding for closed area.

88-88.

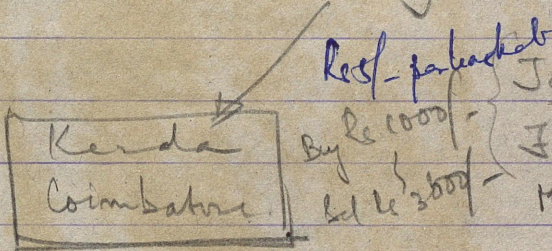
Nalgonda North, 2,000 cattle licenses.

Rs 4/- per head.

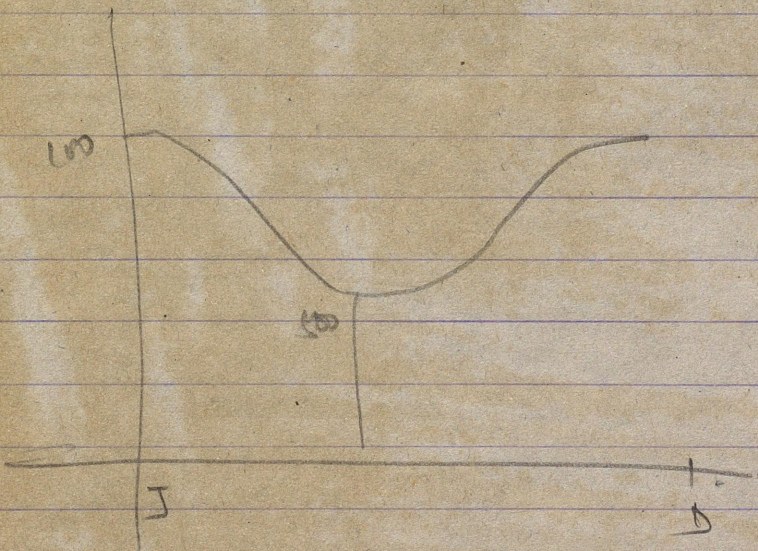
Rs 8/- Buffalo

No licenses. Rs 2/- Sheep.

Dung Export: 8 tons/tonny.

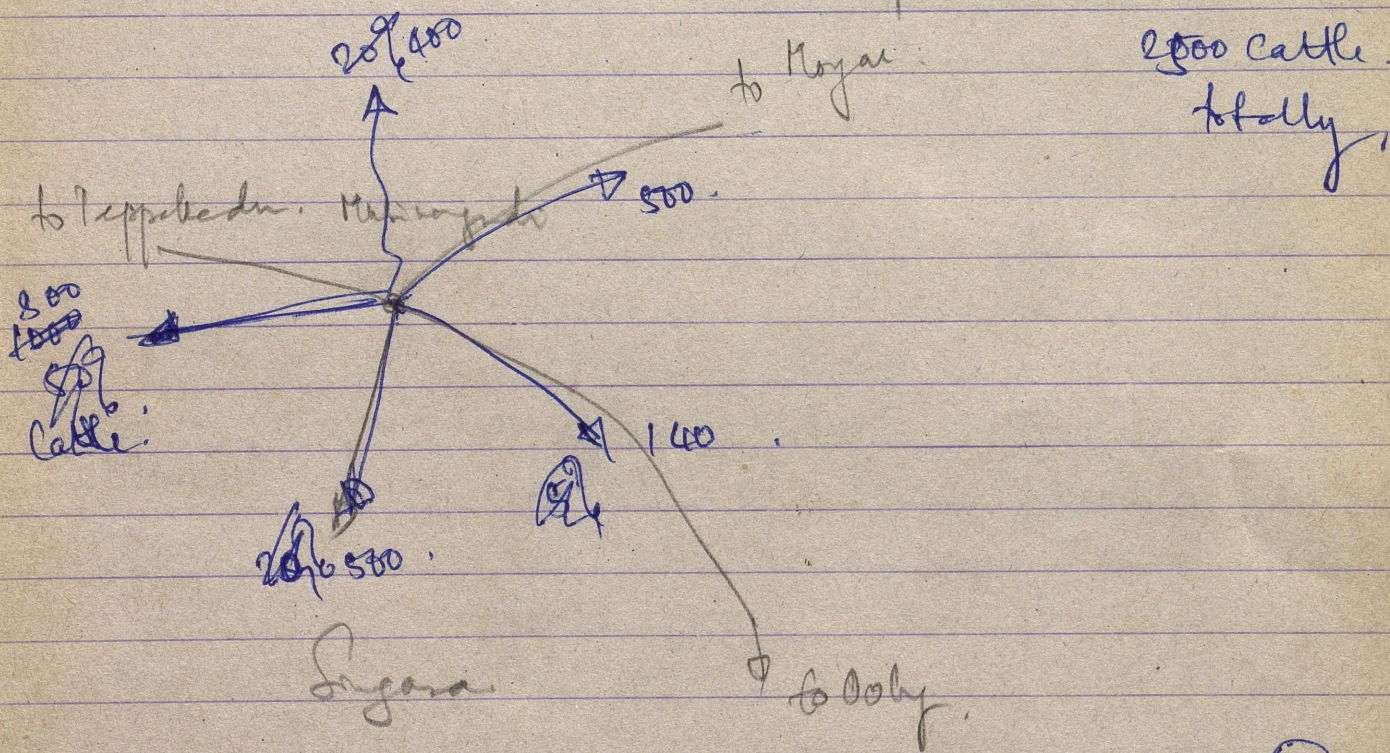


Jan	11 l/day	330
Feb	11 l/day	330
March	3 l/day	90
April	3 l/day	90
May	25 l/month	
June	20 l/month	
July	40 l/m.	
Aug	60 l/m	
Sept	60 l/m	
Oct	100 l/m	
Nov	180 l/m	
Dec	220 l/m.	



180 ~ 1600 l/yr
8 tons/tonny

Food/day	Dung/day
1.5% of Body wt.	
Body wt is 200 kgs.	
3 kgs of dry wt.	
200 kgs of green matter.	7 kgs of dung.
Cattle: 10-40 heads/ha.	



Rate Rs 2/- head of cattle.
 Women & Children

Centre for Ecological Sciences
Indian Institute of Science
BANGALORE-560 012
INDIA.

1

REFERENCES.

BIBLIOGRAPHY

10 100 6

W.G. Motron . Our Mountain Ranges : How their resources may be turned into account. Hogginsbottom, 1867.

J.P. Sutherland , Historical Events can influence community structure: Multiple stable points in natural communities. American Naturalist 108 : 859-75 (1974). Citation Classic - Agri, Biol & Environ Sc. Current Contents 3rd July 1987. (H.S. Lib)

Henry Hobhouse , Seeds of Change: Five plants that transformed mankind. Sedwick & Jackson Ltd, London, 1985. pp. x + 245. (NAC Library)

Geerat J. Vermeij , Evolution & Escalation. An Ecological History of Life. Princeton Univ. Press. New Jersey, 1987. pp xv + 527. (M.G.'s Lib)

Philip. A. Stott , The study of chalk grassland in Northern France. An historical review. Bot. J. Linn. Soc., 2, pp 173-207. Sept. 1970. (CES, Herbarium)

Boeke, J.H. Economics and Economic Policy in Dual Societies, H.D. Tjebek Millink & Zoon N.V. Harlem, 1953.

Boeke, J.H. Evolution of the Netherlands Indies Economy.

Ferninall, J.S. Colonial Policy & Practice: A Comparative Study of Burma, & Neatherland Indies.

- Furnivall, J.S. An introduction to the Political Economy of
Burma.
- Kinsley Davis, Population History of India and Pakistan,
(CES Lib)
- Harold Perkin, The Age of the Railway, Penguin, 1970.
- Thurston Edgar, Madras Bulletin, iv, No. 1.
- P.H. Buzza, MJLS, iv pp 241-99.
- Ouchterlony, MJLS, xv
- ~~H.F. Bladford~~
H.F. Bladford, Vol I, of Memoirs of the Geol. Surv. of India
- Major Congreve, MJLS, xxii
- T.H. Holland, Vol xxx of Records of the Geol. Survey.
- Edward Balfour, Report on the Iron ores of Madras (Madras, 1855)
, MJLS xiv (1847) 154-81
- Dr. King, Records of Geol. Survey of India. viii, 20 (1875)
, " xi, 235 (1878)
- R. Brough Smyth (1880), Gold mining, Madras Govt. Press, 1880)
- D. E.W. Leighton, Indian Goldmining Industry, Higginbotham, 1883.

Paul Hopkins, Ancient Hindu Refugees, Uobas, New Delhi, 1980
pp xiv + 285 (NL)

—oo—, Sex & Disease in a Mountain Community, Uobas,
New Delhi, 1980, pp xi + 240 (NL)

—oo—, A Bibliography for the Nilgiri Hills of Southern
Ind Vol 290, Human Relations Area File, Inc,
Connecticut, 1978. pp ~~144~~ 306 ~~pp~~ (NL)

Anthony R. Walber, The Todas of South India: A New Look.
Hindustan Publishing Corporation, 1986, New Delhi.
pp xix + 371 + plates (NL)

S. Krishnamurthy (Ed). Horticultural and Economic Plants of the
Nilgiris, Coimbatore, 1953. pp xxi + 273.

National Geographic, The Vanishing Peoples of the Earth, National
Geographic Society, Washington, 1968. - David Mandel-
baum, Nilgiri Peoples of India: An End to Old
times, pp 76 - 91 in (NL)

Wollan A. Noble, (1966), Toda Dwellings and Temples, Anthropos 61: 727-36.

—oo— (1968), Cultural Contacts and Similarities among Some Ethnic
Groups in the Nilgiri District, Madras State, India, 1800-1968.
Ph.D. dissertation, Louisiana State University & Agricultural
& Mechanical College,

—oo— (1976), Nilgiri Salmons (South India). Anthropos 71: 90-128.

—oo— (1972) Settlement Patterns & Migrations among Nilgiri Herders.
The Journal of Tropical Geography 44: 57-70.

— do — (1980) The Upper Nilgiris, South India: Habitat Change and the Tadoba. In Rural Habitat Transformation in World Countries, R. L. Singh & Rana S. B. Singh, eds. Varanasi. N.G.S.I Publication 30, ICRH Publication 4.

Tuktak Kumar, History of Rice in India: Mythology, Culture and Agriculture. Gain Publishing House, 2016, Shakti Nagar, New Delhi - 110007, Rs 150/-

Richardson & Boyd, . . .

Caroline Merchant, The Death of Nature, Harper & Row, 1981/82.

— do — , New England Colonial Environmental History. North Carolina University Press.

Morris Berman, The Disenchantment of the World, Bantam, 1981.

Peter Corning, The Synergism Hypothesis, McGraw Hill, 1982.

Limbedon & Wilson, The Coevolution of Man, Culture & Society, Harvard University Press, 1982.

D. K. Vishwanathan, (1950) Malaria & its Control in Bombay State, Chitrasala Press, Poona.

Sereno, Origin of the State & Civilization: The process of Cultural Evolution, CES, 372 521.12.

Blaikie, The Political Economy of Soil Erosion. Longman Publication, 1985.

Piers Blaikie & Harold Brookfield, Land Degradation of Society, Methuen, London ~~New York~~, 1987.

Lucile H. Brockway, Science & Colonial Expansion: The Role of the
 British Royal Botanical Gardens. LC 59 - 51669 (Studies in Social Discontinuity) 1979. 25.00
 (ISBN 0-12-134150-x) Acad. Press.

C. A. Bayly, 18th Century India, Cambridge 1988.

George Duby, Warriors & Peasants, Country life in the medieval West.

Postan, in Cambridge Economic History of Europe Past & Present, 1978, 1981. debates.

Lucien Febvre, in Peter Burke (edited) A New Kind of History.

Ashish Bose, Studies in India's Urbanization.

E. P. Thompson, Whigs & Hunters.

Brandel, Mediterranean in the Age of Phillip II.

Bloch, Marc, French Rural History.

CS

K. V. Thomas, Man and the Natural World.

Rjeshus, Ecology, & Economic Development in Tanzania.

Shahed Amin, Sugar and Sugarcane in Gorakhpur.

9

—, Society and Natural Resources, published by Taylor and Francis.

G.O. No 78, Revenue, Dated 27th January 1890. Settlement Report of Duchtalong valley.

Revenue, Go. No 124. Dated 15th Feb 1887: Settlement of
Duchterlongy Valley.

Revenue, Go. No 206, Dated 12th March 1888. Claims in the
Duchterlongy valley.

James Malin, The Grasslands of North America: ^{Prolegomena to its} ~~1940~~
History, with Addenda. Lawrence, Kan., 1956

Walter, Prescott Webb, The Great Plains

Hans Zinsser, Rats, Lice & History, George Routledge & Sons, Ltd,
London, 1935. pp xii + 201. (M. G's lib)

Sticker, The History of Plague

David Arnold, in *Sukhatten Shudra*, Vol III.

David Arnold, Colonialism & Medicine.

Ahmadullah & Nair, M.P. 1980. Endemic Plants of the Indian region.
Bot. Surv. India, New Delhi, Vol I.

Nair, N C. & P. Daniel, The floristic diversity of the Western
Ghats and its conservation: A review. pp 42
in Proceedings of the Indian Academy of Science,
Animal Sciences / Plant Sciences Supplement, 1986.
pp. 127 - 163.

Aiken, SR & Leigh CH. 1985. On the declining fauna of Peninsular Malaysia in the post-colonial period; Ambio 14 15-22.

Aiyer TVV 1932. The sholas of the Palghat Division; Indian For. 48 414-431, 473-486.

Anonymous 1983 ~~ab~~ Mapping of forest cover in India from satellite imagery 1972-75 and 1980-82: Summary Report, (Hyderabad: NRSA) 1-9

Anonymous 1983 a Biosphere Reserve: Indian approach, (New Delhi: Indian National MAB Committee, Dept. of Environment, GOI) 1-19

Arora RK 1960 Climatic Climax along the Western Ghats and Assam; Indian For. 86 435-439

Arora R.K. 1964. Phytogeographical notes on the humid tropics flora of India - World distribution and analysis of the woody dicotyledonous flora of Western Ghats and Assam; J. Indian Bot. Soc. 43 220-228.

Arora R.K. & Nayar ER 1983. Distribution of wild relatives and related rare species of economic plants in India; in An assessment of threatened plants of India, (eds) JK Jain & RR Rao (Howrah: BSI) pp 287-291

Axelrod DI. 1971 (1974) Plate tectonics in relation to the history of the angiosperm flora of India; Bull. Birbal Sahni Inst. Paleobot. Spec. Publ. 1 5-18.

- Blasco, F. 1970. Aspects of the flora and ecology of the
Savanna of the South Indian Hills; J. BNHS
67 522-534.
- Carter, L.J. 1980. Marriage of conservation and development.
Science 207 1328-1329.
- Godgil M 1984. An approach to eco-development of
Western Ghats (Trivandrum: Workshop on eco-
development of Western Ghats) 1-43.
- Gilbert, L.E., 1980. Biodiversity organization on the
conservation of neo-tropical diversity; in
Conservation Biology (ed) M.F. Soule & B.A. Wilcox
(Massachusetts: Sinauer Assoc.) pp 11-33.
- Jain, S.K. ~~1983~~ & R.R. Rao (eds) An assessment of threatened
plants of India. Howrah: BSI.
- Jain, S.K. & Sastri A.R.K. 1980 Threatened plants of India -
A state-of-the-art report. (Howrah: BSI) pp 1-48.
- Jain, S.K. & Sastri A.R.K. 1982. Threatened plants & habitats - A
review of work in India; Pl. Conserv. Bull.
Poss. ref 2 pp 1-29.
- Joseph, J. 1922. Orchids of Nilgiris; Rec. Bot. Surv. India.
22 1-144.
- Myers, N. 1979. The sinking ark: A new look at the problem
of disappearing species (Oxford: Pergamon Press)

- Myers, N. 1980 The present status and future prospects of tropical rain forests; *Environ. Conserv.* 7 pp 101-114.
- Myers, N. 1981. Conservation needs and opportunities in tropical moist forests; in *The biological aspects of rare plant conservation*, (ed) H. Synge (New York: John Wiley) pp 141-154.
- Nair, N. C & Henry AN 1983 Flora of Tamil Nadu India Series I: Analysis, (Coimbatore: BS) 1 pp 1-184.
- Nayar M.P. 1980 (1982) Endemic flora of Peninsular India and its significance; *Bul. Bot. Surv. India* 22 pp 12-23.
- Ramakrishnan, P.S. 1984. The need to conserve Silent Valley and tropical rain forest ecosystems in India; *Environ. Conserv.* 11 170-171.
- Rathakrishnan NC & Chithra V. 1984. Distribution of endemic orchids in Karnataka, Kerala and Tamil Nadu; *J. Econ. tax. Bot.* 5 1001-1006
- Raven, P.H. 1977. Perspectives in tropical botany. Concluding remarks; *Ann. Missouri Bot. Gard.* 64 746-748.
- Raven, P.H. & Axelrod D I 1974. Angiosperm biogeography and past continental movements; *Ann. Missouri Bot. Gard.* 61 539-673.
- Sharma, B.D., Shetty BV, Vajravelu E, Kumari GR, Vivekananthan K, Chandrasekhar M, Srinivathan MS, Chandrasekaran R, Subharao G.V., Ellis JL, Rathakrishnan, N.C.,

Karthikayan S, Chandrasekaran V, & Srivastava, SR. 1974. Studies on the flora of Nilgiris, Tamil Nadu; Bot. Mem. 2 1-186.

Shetty B.V. & Vinayanathan K. 1981 (1983) Endemic, primitive, temperate elements and the subwet vegetation of Kundah Range, Nilgiris, Tamil Nadu; Bot. Bot. Surv. India 23 254-264.

Singh J.S. Singh SP, Saxena AK, & Ramat YS. 1984. India's Silent Valley and its threatened rainforest ecosystems; Environ. Conserv. 11 223-233.

Subramaniam K, & Nayar M.P. 1974. Vegetation and phytogeography of the Western Ghats; in Ecology and Biogeography in India (ed) M.S. Mani (The Hogrefe: And W. Junk Publishers) 178-196.

Turrill Turrill WB 1964. Plant taxonomy, phytogeography & plant ecology; Vegetas. Bot. 4 pp 187-224.

Viswan-Mittra & Gupta HP 1968. A living fossil plant community in South Indian Hills; Curr. Sci 37 671-672.

Volra JN, Roychowdhury RN, Ghosh RK, Kae BS and Singh K.P. 1982. Observations on the Cryptogamic flora of the Silent Valley, (Himalayas: BS1) pp 1-40.

Whitmore TC. 1975. Tropical rainforests of the far east (Oxford: Clarendon Press)

Willis JC 1973. A dictionary of the flowering plants & ferns, 8th Revised edition (ed) H.K. Gray & Shaw (London: Cambridge Univ. Press)

Matthew, K.M. 1969. The Exotic Flora of Kodakanal, Palani Hills, Records of the Botanical Survey of India, XX (1) IF. Pondicherry

Sen, A.K. (1977) Starvation and Exchange Entitlements: a general approach and its application to the Great Bengal Famine. Cambridge Journal of Economics, 1, (1)

Rangaswami, A. (1985). Failure of Exchange entitlement theory of famine: a response. EPW, 20, 12 & 19 October

Hora, S.L. (1942) Fishes of the Mysore State and the neighbouring hill ranges of Nilgiris, Wynad & Coorg. Records of the Indian Museum 44: 193-200, (BKUG?, 11 & ?)

Allchin, , Neolithic Cattle Keepers of Peninsular India ...
(U&L Lib)

~~Subramaniam, et al, Grasslands of India.~~

Henry Horn, Markov chain models for plant successions.

Dabodghao P.M & K.A. Sanbhararayan, The Grasses lower of India,
ICAR, New Delhi, 1973. p. xii + 713.

Nihyte, Robert Orr, Tropical Grazing Lands: Communities and
Constituent Species, Dr. W. Jang b.v. - Publishers -
The Hague. 1974. pp. numerous + 222.

Richard Heaton, Genetics of Colouring Species.

(CS Lib?)

Charles Elton, Ecology of invasions by plants and animals.
(MG Lib)

J.W. Russegger, E.G. Brown, C.L. Green, I.S.R. Robbins, Spices,
Vol I & II. Longmans, London, 1981. (CES Library)

Refs from Irfan Habib.

Irfan Habib, An Atlas of the Mughal Empire: Political
and Economic maps with Detailed Notes,
Bibliography and Index. OUP, Delhi. 1982.
pages (xvii) + 106.

161 A. Susan Gale, Early maps of India, New Delhi, 1976.
It offers a survey of the progress of European
mapping, followed by a fairly extensive list of
the early European maps.

U. 10. { 24° ~ 25°-15' E
13°-45' ~ 15°-30' N
11 17

161B. Joseph E. Schwartzberg (ed.), with collaborators. A historical atlas of South Asia. Chicago & London, 1978. Apart from its splendid maps, this atlas contains a very rich bibliography. (available at FI, Pondicherry)

~~Lincolnton~~

~~Foyers~~

~~Blumstein~~

~~della Valle~~

~~H. Heras~~

KAN. Sachin & N. Venkatarangayya.

~~Leitch~~

~~Lehner~~

~~Coasa & Reddy, Panchas.~~

~~Khafi Khan, ✓~~

~~EEI~~

~~St. Thome, Bowney,~~

Jrfan Habib, An Atlas of the Mughal Empire: Political and Economic Maps with detailed notes, Bibliography and Index. OUP, Delhi, 1982, pages xvii + 106.

Extract from the bibliography of Habib (1982)

13. (S., I, 641 (2)) Lachmī Narā'in 'Shafiq', *Khulāṣatu-l Hind*, transcript from Asafiya MS (No. 768/492) in Dept. of History, Aligarh. Contains pargana-wise revenue statistics of the Deccan provinces, ascribed by ~~'Shafiq'~~ to 1731 and earlier years, edited and arranged by 'Shafiq' in 1789-90, with addition of much other matters.
14. Brij Rāi, *Dastirū-l'Amal-i Shāhīshāhī*, revised and enlarged by Thākūr Lā'īl, MS., Br., Mus., Add. 22,831. In a note at the end (f. 151b) Thākūr Lā'īl is said to have completed his revision & enlargement in May, 1779; but, on f. 6a, A.H. 1230 (A.D. 1814-15) is mentioned as the current year. This work contains pargana-wise revenue statistics of the Deccan provinces, with geographical notices of each sūba and sarkār. It is very similar in content of 'Shafiq's' *Khulāṣatu-l Hind*; and together with that work, forms the basic source for sheet 14A, 15A & 16A of this atlas.
56. (S., I, 750) Blümsen, *Nuskha-i-Dilkushā'*, MS., British Museum, Or., 23.

91. John Huyghen van Linschoten, *The Voyage of John Huyghen van Linschoten to the East Indies*, Eng. tr. of 1598, ed. Ac. Bunnell (Vol I) & P.A. Tiele (Vol II), Hakluyt Society, vols. 70 & 71, London, 1885.
92. A. Monserrate, 'Father A. Monserrate, S.J., on Salsette, Chorão, Divar and the Moluccas (1597)', *JASB*, NS, XVIII, 1922, 349-63.
95. W. Foster (ed.), *Early travels in India (1583-1619)*, London, 1921. Contains narratives of Fitch (pp. 1-47), Mildenhall (pp. 48-59), Withington (pp. 188-233), Coryat (pp. 234-87) and Terry (pp. 288-332).
98. *Relations of Golconda in the Early Seventeenth Century*, a collection of the 'relations' of Methwold (pp. 1-50), Schorev (pp. 51-65), & an anonymous Dutch factor (pp. 67-95). Ed. / tr. W.H. Moreland, Hakluyt Society, London, 1931.
99. Samuel Purchas, *Hakluytus Posthumus or Purchas his pilgrimages*, James Machechase & Sons, Glasgow, 1907, 20 vols. The narratives of the following travellers are cited from Purchas: Ceasar Frederick,
100. Pietro della Valle, *The travels of Pietro della Valle in India*, tr. Edward Grey, Hakluyt Society, 2 vols., London, 1892.
110. Jean de Thévenot, *Account of India*, tr. Lowell (1687), rptd. in *Indian Travels of Thevenot and Caesari*, ed. S.N. Sen, National Archives of India, New Delhi, 1949.

111. Jean-Baptiste Tavernier, *Travels in India*, tr. V. Ball, 2 vols., London, 1889. All our references are to this edition. A 2nd edition of this fr., revised by William Crooke, was published, London, 1925.
112. *The English Factories in India, 1618-69*, ed. W. Foster, 13 vols., Oxford, 1906-27. The vols. are not numbered and are therefore cited by the period of years which each of them covers and which is indicated on the title pages of each volume.
115. *The Abbé Carré, Journal*, English tr. by Lady Fawcett, *The Travels of the Abbé Carré in India and the near East, 1672 to 1674*, ed. Sir Charles Fawcett & Sir Richard Bunn, 3 vols., Hakluyt Society, 2nd Series, xcvi - xcviII, London, 1947, (Vol I & II) & 1948 (Vol III).
118. *Streynsham Master, The Diaries of Streynsham Master, 1675-1680, and other contemporary papers relating thereto*, ed. R.C. Temple, *Indian Records Series*, 2 vols., London, 1911.
119. John Fryer, *A New Account of East India & Persia, being nine years' travels, 1672-81*, ed. W. Crooke, 3 vols., Hakluyt Society, London, 1909, 1912 & 1915.
127. Alexander Hamilton, 'A New Account of the East Indies', printed in No. 128. I regret I have not used W. Foster's edition of this work, 2 vols., London 1930, which is likely to be more readily available to most readers.

128. John Pinkerton, *A General Collection of the best and most interesting Voyages and Travels in all parts of the World*, Vol. VIII, London, 1811. This volume includes (a) The Journal of Sr Thomas Roe (pp 1-56), and (b) Alexander Hamilton's 'New Account of the East Indies' (pp 258-522)
- 161A. Susan Gole, *Early Maps of India*, New Delhi, 1976. It offers a survey of the progress of European mapping in India, followed by a fairly extensive list of the Early European maps.
- 161B. Joseph E. Schwartzberg (ed.) with collaborators. *A Historical Atlas of South Asia*, Chicago & London, 1978. Apart from its splendid maps, this atlas contains a very rich bibliography.
189. C. Hayavadana Rao, *Mysore Gazetteer*, 5 vols., new ed., Mysore, 1927-30.
206. Mark Wilks, *Historical Sketches of the South of India in an attempt to trace the history of Mysore*, 1810, ed., Murray Hammick, Mysore, 1930.
216. R. Sewell, *A Forgotten Empire (1st ed., London, 1929), Indian ed., 1962.*
221. H. Heras, *The Aśvavidu Dynasty of Vijayanagara*, I, Madras, 1927.
246. K.A.N. Sastri & N. Venkataramanayya, *Further Sources of Vijayanagara History*, III, Madras, 1946.

252. George Watt (assisted by numerous contributors),
 Dictionary of the economic products of
 India, vols. (vol VI issued in 4 pts.),
 Calcutta, 1889-93.

Darna L. Sufour, Use of Tropical Rainforest by Native
 Americans. *Biotropica*, Vol 40, No. 9,
 pp. 652-659. October 1990.

Fearnside, P.M. 1989. Extractive Reserve in Brazilian Amazonia.
Biotropica. 39: pp 387-393.

MS
 Photocopy.

W.W. Kellogg, 'Global Influences of mankind on the climate', in
 Climate Change, ed. J. Gribbin, Cambridge University
 Press, London & New York, 1978.

L.K. Mahapatra, 'India' in *Smoldering Cultivation in Asia, Vol I*,
 MAB & UNEP, Social Sciences in Asia & Pacific Series.
 Unesco, Bangkok, 1985. pp 13-82. (R.G.'s Lab, Xerox)

Mark Poffenberger, Ed. *Keepers of the Forest*, Kumarian Press,
 Connecticut, USA, 1990.

MS

Lawrence B. Grossman, "Peasants, subsistence ecology and
 development in the highlands of Papua New Guinea."
 Princeton Univ. Press, Princeton (NJ), 1984.

MS
 Photocopy.

Doctor James Johnson, On the Influence of Tropical climates on European constitutions.

Williamson, Thomas, Oriental Field Sports (2 vols.), 1808.

Hawk eye (General Richard Hamilton) "Game" (on the Nilgiris)

G. A. R. Dawson, "Nilgiri Sporting Reminiscences,"

Paul Carter, "The Road to Botany Bay" (Ref. D. Arnold)

Shivraj S. Lokani, Hymns to the Earth: The Prithvi Sukta, Sterling Pub Co. Ltd. New Delhi, 1991.

Forrest G. Hall, Daniel B. Botkin, Donald E. Strebler, Kerry D. Woods, Scott J. Goetz, Large Scale Patterns of Forest Successions as determined by Remote Sensing, Ecology 72(2) 1991, pp. 628-640.

Dowd, P. H. 1969, Red Tea, Higginbothams, Madras. (ref. by Subhas Chandran in Shopping Culture)

J. F. Richards, James R. Hagen, & Edmund S. Haynes, Changing Land use in Bihar, Punjab and Haryana, 1850-1970, Modern Asian Studies, 19, 3, (1985) pp. 699-732. (ref. in Dr. Vinita Damodaran, Famine in India - text.)

Bull Aitken, Seven Sacred Rivers. (Ref. by Ram Gulab)

Dyke, B., and MacCluer, J.W. (eds) (1974) *Computer Simulation in Human Population Studies*,

Cliff, A.D., & Ord, J.K. (1973), *Spatial Autocorrelation*,
Pion Ltd, London.

Cliff, A.D. & Ord, J.K. (1981) *Spatial Processes*, Pion Ltd,
London.

Robert R. Sokal & Jonathan Friedlaender, *Spatial Auto-
correlation: Analysis of Biological Variation on
Bonaparte Island*, pp 205-227. in Michael H.
Crawford & James H. Gielke, (eds) *Current
Developments in Anthropological Genetics*, Vol 2.
Plenum Press, New York, 1982.

Graham Upton & Bernard Fingleton. *Spatial Analysis by
Example*. Vol 1: Point Pattern and Quantitative Data.
John Wiley & Sons, Chichester, New York, Brisbane,
Toronto, Singapore, 1985. pg xi + 410.
ISBN 0 471 90542 9

Anthony Williams, John Longfellow & Charles Monroe. *Simulations
over Space*. in Bennett Dyke & Jean Walters MacCluer, eds,
Computer Simulation in Human Population Studies. Academic
Press, New York, 1973, pp 71-95.

p90) The model (Spatial development) the
model is may be capable of calibration
with historic data.

Skolnick, H.H. & C. Cawings 1972. The natural regulation of population
size for primitive man. *Nature* 239: 287-288.

Steven J. Pithen, *Thoughtful foragers: A study of prehistoric decision making*. *New Studies in Archaeology*, Cambridge Univ Press, Cambridge, 1990. (@ Phabap, Deacon College, Pine)

The summary book out of a PhD. thesis at Cambridge. It uses an ecological-evolutionary framework and an extensive chapter of Introduction stating and justifying the unique positional point that the thesis is centered on.

It presents precise definitions for various ecological evolutionary terms like adaptations and uses them in the precise definitions for cultural evolution. It has a detailed bibliography and a very fine review of literature.

Ernst Haeckel, *The growth of Biological Thought*:

R. Bourne, Nilambur Valley Working Plan, Vol 3, Descriptions,
History, and Statistics, 1917-18. Govt. Press, 1921.
Madras.

p 39) Detailed history to be found in Control Records.

S. N. Nayar, Poisons of India, J. BNHS
Vol 52. pp 515-532.

Madhura indica, The 'mourah meal' after extraction of oil from the seed is used to poison fish. Smoke kills insects. Used as a worm killer in lawns.

Myristica malabarica, Malabar < 1000ft. Konkan and Canara.

M. malabarica Mill. syn. N. odoratum, along banks of streams. To the Mundas use it to poison pigs, ~~pe~~ and jackals.

Schleichera oleosa: Adulterant with mustard oil.

Sesamum indicum.

E. P. Gee, Wildlife Preservation in India: Annual
Report for 1953 on the Eastern Region.
J B N H S. Vol 52. No 2 & 3. pp 233-240

K. M. Kirkpatrick, Abnormal Methods employed in
Killing and Capturing Game, J B N H S,
Vol 52, 1 & 2, pp 285-300.

Of the Ho, Munda, the Orang, Bhuiya of South
Bihar, Bangur & Bonai. The
The Kutia Khond & Oriya of Kalahandi &
Jey pose.
The Kuria of Bastar
Biv-ho of South Bihar and northern Orissa.

Primary reason for hunting: food, and
menace for habitations because of
civilization expanded decreasing deer

Bone & arrow, axe, and sometimes - spears,
+ traps

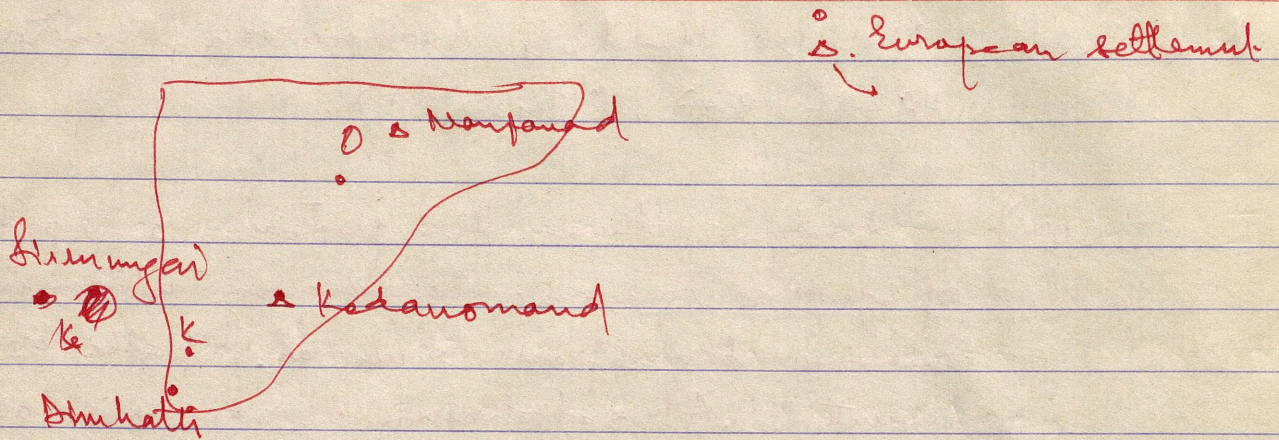
Menace to security because encroaching
civilization has caused a depletion in
deer population. This affects forest dwellers.

Anonymous. Nilgiri Wildlife Association Centenary
1877-1977. Coim., 1977.

pt) Imagine then, this plateau, a spider's web
of countless streams, converging ultimately to
become dignified rivers and falls of great
beauty. A patchwork of swamps and
marshes, rolling grasslands, with every fold
and ravine clothed in evergreen woods and
sholas, the whole abounding in a wide
variety of wildlife both fur and feather.
Such was this rare jewel of nature,
guarded for ~~all~~ so long from the foreign
invaders by the Malabar Forests of the
foothills, at the beginning of what is known
officially as the 'English Period', only
'English' when Scots and Irish, in the main
developed the hills, we are unable to
understand.

M. Lesdrenault de la Tour, the naturalist, who
by illness had been brought "to Death's Door"
rapidly recovered his health in the cool
climate.

Sullivan asks for money to survey and
increase revenue of produce like
wheat, barley, peas, opium, millets, garlic,
mustard.



~~Alchin, F.R.~~ Neo-lithic Cattle Keepers of South India, Cambridge Univ. Press, Cambridge, 1963.

Anonymous, *BUASI*, *Planters Directory*, ...
1925, 27, 30, 32, 34, 42, 51, 55, 58, 65, 69, ...

P. M. Buzza, *Memoir on the Geology of the Nedghery and Kankah Mountains*, by P. M. Buzza, Esq. M.D. of the Madras Medical Establishment. *MJLS*, No. 13, - October, 1886, pp. 243-298.

- *Proceeding of the Board of Revenue*, Pt. 5th Aug 1871, Madras. pp. 5789 to 5789

Madras Group, ~~1881~~ ...

Fletcher, F.W.F. 1901, *Spent on the Volgians and in Ulynead*, Macmillan and Co. Ltd, 1901. London.

Peluso, N., 1989. 'Rich Forests, Poor People and Development'.
Unpublished Ph.D. Thesis, Department of Rural
Sociology, Cornell University.

Peluso, N., in Keesen
ed. Mark Poffenbeger.

Marcus Henry Bloench, 1990. From Forests to Agroforest:
Land-use Dynamics and Crop Successions in the
Western Ghats of Kerala, South India. Unpublished
Ph.D. Thesis, Energy and Resources Division, University of
California, Berkeley.

Anonymous, Law Department, The Tamil Nadu Buddhist Temples
Estates (Abolition and Conversion into Dyabwari)
Act 1969. (Tamil Nadu Act 24 of 1969).
Govt. of Tamil Nadu, 1986

1887.

Logan, Mulkam / Malabar, Vol I. Reprinted by
Charitram Publications, Trivandrum,
1981.

C.A. Innes, ed by F.B. Evans, Malabar. Madras District
Gazetteers. Govt. Press, Madras 1951.

P.M. Lushington, 1895. Report and Working Scheme of the
Malabar State Plantations. Govt. Press,
Madras.

Cleghorn, H., 1860. Forests and Gardens of South India.
W.H. Allen, London.

~~Robert~~ Sean, *The Struggle for Palestine*, Cambridge Univ Press.

Fernand Braudel, *Civilization & Capitalism*. Vol I, II, III.

Fernand Braudel, *After thoughts on Capitalism & Civilization*
----- 90 to 100 pages.

Andre Gunder Frank, *Development and Underdevelopment:*
A Study of -----

~~Immanuel~~ Immanuel Wallerstein, *Modern World Systems*,
Vol I, II, & III.

— do — summarized in an article *J. in. J. Scenario:*
Centre from European Expansion Studies,
Hange.

Michael Foucault *Foucault*.

~~Anonymous~~, *Proceedings of the 1985 International Conference on
Rapid Rural Appraisal*, Khor Kaen University,
*Rural Systems Research and Farming Systems
Research Project*, Thailand 1987.

R. Sukumar, R. Lami, R. K. Paul, & G. Rajagopalan, A $\delta^{13}C$ record of late Quaternary climate change from tropical peats in southern India. Nature, Vol 364, pp 704-706. 19th Aug 1993.

Marcus Henry Hirsch, From Forest to Agriforest: Land-Use Dynamics and Crop Successions in the Western Ghats of Kerala, South India. PhD. Dissertation, in Energy and Resources Division, University of California Berkeley, 1990.

Meadows, D. H., et al. 1972. The Limits to Growth. A Report for the Club of Rome's Project on the Predicament of Mankind. New York: Universe Books.

Eplock, P. R. and A. H. Ehrlich, 1970. Population, Resources, Environment. Issues in Human Ecology. San Francisco: W. H. Freeman.

~~do~~ 1990. The Population Explosion. New York: Simon and Schuster.

Ness, B. D., Drake W. D. and Beechin, S. R., 1993. Population-Environment Dynamics: Ideas and Observations. The University of Michigan Press, Ann Arbor.

Marrin Harris, 1968, The Rise of Anthropological Theory: A History of Theories of Culture. Thomas Y Crowell Company, New York.

Marrin Harris, 1971, Culture, Man and Nature: An introduction to general Anthropology, Thomas Y Crowell Co, New York.

Lucile Brockway, Science and Colonial Expansion: the role of the British Royal Botanical Gardens. New York: Academic Press, c. 1979.

Febvre, Lucien Paul Victor, 1925. A Geographical introduction to history, ~~London, K. Paul.~~ AA Knopf, New York.

—do—, 1973. A new kind of history and other essays (ed. by Peter ~~Burke~~ Burke), translated by K. Folca. Harper & Row, New York, 1973. W10-LC DC 36.9. P 32x 1973b

Pandion, 1955. The Political economy of agrarian change: Nanchiuan, 1880-1939. Sage Publication New Delhi, 1990.

David E. Ludden, Peasant history in South India. Princeton, N.J. Princeton Univ. Press 1985.

Philip M. Pearce, Human Carrying Capacity of the Brazilian Rainforest. New York: Columbia Univ. Press. 1986.

~~Vduardy~~, Mikloss F. A Classification of the Biogeographic
-al provinces of the World.
Basel, Switzerland: International Union for
Conservation of Nature and Natural Resources,
1975. IUCN occasional paper No. 18.

~~Stein~~

~~Stein~~, Burton, ^Pasant, state and society in
medieval South India,
Delhi, Oxford Univ. Press, 1980.

Crosby

Ranachandra

~~Centre~~ / 1993, ^{Writing} Environmental History in
India, ^{Article in} History, 9, 1, m.v. (1993)
Sage Publications, New Delhi

Gamble, Proceedings of the Board of Revenue, No. 271,
Forest, dated 27th January 1885.

Champion, H.C. and Seth S.K. 1968. A Revised
Survey of the Forest Types of India, ^{Publications}
Division of India, New Delhi. 404 p

278 PH

~~German Embassy~~, New Delhi, 1966.
~~German Project leader for Nilgiris.~~

Indo-German Agricultural Development Project Nilgiris,
Madras. Dept. of Agriculture, 1967.

Chap 5

183

Map of Biophysical Zones / Topographic Map
Logure of Rainfall Regime

Map of Bioclimatic Zones

~~Map of Drainage Basins~~
Access Regimes

184

Chap 3 Loym Plateau

Bro physical zones Maps / Topographic Map

Physical Map of Loym Plateau.

log of rainfall regime.

Map of Bro climates.

Map of Settlements & Human Groups.

Figure of Access Regimes

Refs

185

Champion & Seth.

Prabhakar and Pascal.

Mobile 1989

†

Proce 1908

(807, 58 A/10, 1908)

196

Chap 1

Figures & Maps

2. Chap

Refs

Log. / Maps

Tables

✓ Nilambore ~~547~~, ~~1108~~, ~~2695~~

Nilgiris . 482, 8575, 4139, ~~304~~, ~~304~~, 1061, 1199, 1366, 1454, 1952, 2187,
2191, 2161, 4070.

- ✓ 34) Agrawal, S.C. & U.S. Madan. 1961. Ecological studies in the Nilgiris.
Indian Forester, 87: ~~376~~-389
- ✓ 304) Beddome, R.H. 1876. The forests and flora of the Nilgiris. Indian Forester
2: 17-28
- ✓ 482) Bor, N.L. ~~1938~~ 1938. The Vegetation of the Nilgiris. Indian Forester 64: 600-609
- 1061) Folke, S. 1966. Evolution of plantations, migrations, and population growth in
Nilgiris and Coorg. Geografisk Tidsskrift (Copenhagen) 65: 198-239
- ✓ 1199) George, M. and G. Varghese. 1985. Dominance and structural variation in
deciduous forests. Indian Forester 111: 495-501
- 1366) Gupta, Raj.K. and K.A. Sankaranarayanan. 1962. Ecological status in the grasslands
in South India. Tropical Ecology 3: 75-78.
- 1952) Lakshmanan, N.R. 1968. The forest types of the Nilgiris and its ecological
problems. pp 407-418. in R. Misra & B. Gopal (Eds.), Proceedings of the
Symposium on Recent Advances in Tropical Ecology, Part 2. The International
Society of Tropical Ecology, Varanasi, India.
- 2187) Meher-Honji, V.M. 1979. The climate-vegetation stability: Case studies from the
Indian sub continent. International J. of Ecology & Environmental Sciences
5: 75-93.
- 2695) Pearson, R.S. (1913) Note on the utilisation of bamboo for the manufacture of
paper pulp. Indian Forest Records 4(5): 1-121
- 2191) Meher-Honji, V.M. 1984. Disasters of Deforestation: Desertification or deluge! Internatio-
nal J. of Ecology & Environmental Science 10: 37-73.

316) Samraj, P.S., S. Chinnamani & B. Haldorai, 1977. Natural versus man-made forests in Nilgiris with special reference to run-off, soil loss and productivity. Indian forester 103: 460-464.

4070) Venkatasubramanian, C., and S. Chinnamani, 1978. A preliminary note on the return of nutrient by the leaf-litter of wet (montane) temperate evergreen sholas forests of Nilgiris. Indian forester 104: 450-456.

✓ Indoan forester July 1926, 331 - 340

✓ Lions near Shanci. pp 364 - 366.

✓ July 1927, pp 410 - 416

✓ Sep. 1932. pp 473 - 486

✓ March 1934 pp 203 - 205

~~Jan 1936. pp 29 - 32~~

Sept. 1938. pp 523 - 541

" pp 600 - 609

April 1942. pp 106 -

