Shea (*Vitellaria paradoxa* C.F. Gaertn.) – a peripheral empire commodity in French West Africa, 1894–1960

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**HIGHLIGHTS**

- Historical evidence indicates a widespread and centuries old exchange of shea kernels and shea butter by women in periodic local markets, and on a regional scale, with the densely populated West African littoral.
- Initial French interest in shea was as a potential substitute for *gutta-percha* (latex) to insulate submarine cables in the wake of the profligate, inefficient and unsustainable methods of extraction from *Palaquium gutta* and other tropical rainforest trees in Southeast Asia.
- Early and violent resistance to colonial rule during the Volta-Bani War was replaced by persistent migration into the (British) Protectorate of the Northern Territories of the Gold Coast Colony, as a form of protest by local Burkinabé communities to avoid the cumulative burdens of capitation tax, forced labour, military conscription, corporal punishment, and restrictive forest policies.
- Multiple initiatives to extract shea butter (mechanically and chemically), to protect shea parklands or to plant shea trees, as well as early industrialization efforts, including a French ‘colonial petroleum’ project, were not successful.
- Ultimately, the production and supply of shea kernels and shea butter remained central to servicing the needs of Burkinabe and West African consumers throughout the colonial period.

**SUMMARY**

Burkinabé women have traded shea kernels and shea butter in periodic local markets, and on a regional scale with the densely-populated West African littoral, for centuries. This paper traces the origins of French colonial efforts to develop shea as a commodity of empire from the 1890s to independence in 1960.

Colonial efforts to incorporate Upper Volta, a French colonial backwater, into the world economy was drawn out, heterogenous, and messy. The colonial state assumed erroneously that little shea trade existed, and that producers would respond positively to market incentives. Yet, we suggest that French colonial policies failed due to a composite of factors including the limited investment in either the colony or shea as an oilseed crop, adaptation by women shea producers to the extraction of male labour and the trade opportunities created by new international borders, and the ‘blindness’ of colonial officials to the economic, social and cultural functions of periodic local markets used by women shea traders. The historical trajectory of the shea trade continues to have implications for current-day shea markets and their actors.

Keywords: Burkina Faso, colonial history, periodic local markets, gendered landscapes, shea nuts and shea butter, women

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Le karité (*Vitellaria paradoxa* CF Gaertn.) – une marchandise de l’empire périphérique en Afrique occidentale française, 1894–1960

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Pendant des siècles, les femmes burkinabés ont échangé des amandes et du beurre de karité sur les marchés locaux périodiques et à l’échelle régionale avec le littoral ouest-africain densément peuplé. Cet article retrace les origines des efforts coloniaux français pour développer le karité en tant que produit de l’empire des années 1890 à l’indépendance en 1960.

Les efforts coloniaux pour intégrer la Haute-Volta, un marigot colonial français, dans l’économie mondiale ont été longs, hétérogènes et désordonnés. L’État colonial supposait à tort qu’il existait peu de commerce du karité et que les producteurs réagiraient positivement aux
INTRODUCTION

Shea fruits, kernels and butter are Non-Timber Forest Products (NTFP) of the shea tree (*Vitellaria paradoxa* C.F. Gaertn.), the most widely occurring species in the agroforestry parklands of Burkina Faso (Boffa 2015). The butter extracted from their kernels serve as important ingredients in the diet of rural communities, and surpluses sold provide a critically important source of income to women. Shea is collected, processed and marketed by an estimated 18.4 million women across a 3.4 million km² belt across sub-Saharan Africa (Naughton, Lovett and Mihelcic 2015). For centuries, women managed shea trees in West Africa’s agroforestry parklands as a food tree crop. Women collected and processed shea kernels to produce shea butter, the most widely-used oil throughout the region, and sold kernels and shea butter in periodic local markets often linked to larger regional trading routes. The customary management of these gendered landscapes (Carney and Elias 2006) and traditional uses of this vegetable fat were largely ignored during the colonial period as women were rarely, if ever, interlocuters with colonial administrators or scientists.

Current-day periodic local markets continue to perform a vital role in the economic and social life, particularly of rural women, throughout West Africa (Bromley 1971, Curtin 1971, Hodder 1971, Meillassoux 1971, Smith 1971, Hill and Smith 1972, and McKim 1972). In Burkina Faso, a complex hierarchy links periodic three-day village markets to larger foci of trade in places such as Leo, Tenkodogo, Bittou and Koudougou and Bobo Dioulasso (Rousseau, Gautier, and Wardell 2015). In turn, these are linked to centres of consumption in neighbouring Ghana, Côte d’Ivoire, Benin and Togo, and other parts of the West African littoral. The aggregation of the periodic market system facilitates trade in surpluses of agricultural food and cash crops such as millet, yams, onions, tomatoes, livestock, shea nuts and butter (Hill 1970, Clark 1994, House-Midambe and Ekechi 1995, Chalfin 2004a).

Given the promise shea holds for strengthening rural women’s incomes as well as national economies in West Africa, several actors have attempted to radically transform shea value chains originating in West Africa by introducing new technologies, building capacities of women producer groups and improving access to new markets. These include government agencies, development and Non-Governmental Organizations, Trans-National Organizations as buyers of shea kernels and third-party certification bodies. Their efforts focused on relatively recent events and actions, detached from the broader historical context in which they are embedded. This, “at a time when short-term horizons constrict the views of most of our institutions, whether governments, non-governmental organizations (NGOs), corporations, or, increasingly universities” (Armitage and Guldi 2015: 221). History matters. It matters not just because we can learn from the past, but because the present and the future are connected to the past by the continuity of a society’s institutions (North 1990, see also Huillery 2009).

Hence, this paper takes an historical perspective to contextualize current day shea value chains, focusing on the period after the establishment of the largest possession of imperial France – Afrique Occidentale Française (AOF), a federal constellation of colonial states – in 1895. The paper aims to show that women were instrumental in sustaining rural livelihoods by using local periodic markets to trade shea kernels and butter on both sides of the new borders separating Upper Volta from its neighbouring territories. After presenting the analytical framework and methods adopted, the paper initially presents an overview of pre-colonial patterns of shea trading
drawing on archaeobotanical sources, and the records of travellers and explorers between the 14th and 19th centuries. This is followed by a review of the early interest in shea by the French administration, prior to the creation of Haute Volta as a colonial state in 1919, and the modest growth in the shea trade during the colonial era. A discussion of the reasons for the failure of colonial efforts to develop shea supply chains precedes the concluding remarks.

The paper should be read in conjunction with another paper ‘Shea – the emergence of Global Production Networks, 1960–2021’ (Wardell et al. 2021), which traces the post-independence governance of shea supply chains in Burkina Faso. The two papers help to explain the gendered nature of the contemporary shea economy in Burkina Faso by understanding the patterns of pre-colonial and colonial trade in the commodity. Women shea nut producers and shea nut processing in Upper Volta lived in a “world that didn’t count” (McMichael 2004: 7), and remained in the shadow of cocoa growers in Côte d’Ivoire and Ghana until the post-2000 boom in the global shea trade. Women remained, nevertheless, firmly in control of the local and regional shea trade. Ironically, the key factor which influenced the placement of the border separating British and French territories was the protection of metropolitan trading interests.

ANALYTICAL FRAMEWORK

Landscape histories have important implications in understanding forest ecology and social and political relationships within current agroforestry landscapes, and in identifying coping strategies and adaptation to environmental stress. Historical perspectives can also increase our knowledge of the dynamics of tropical dry forest landscapes and provide a frame of reference to assess contemporary patterns and processes. Historical records in Africa, however, are often fragmentary. Even where longer historical time series can be assembled, the selection of appropriate reference conditions may be complicated by our limited knowledge of the past influence of humans, and by non-equilibrium dynamics. These complications do not lessen, however, the value of history; rather they underscore the need for multiple, comparative histories from many locations for evaluating both cultural and natural causes of variability. The reconstruction of landscape histories which recognize hierarchical scales of analysis in both time and space can highlight the complexity of specific local geographical and historical settings, and provide a basis to redefine baseline ecological conditions, to reinterpret the impact of population growth or, as one scholar has suggested, to “…systematically build in perspectives from political economy as well as ecology…” (Beinart 1996).

Environmental history – as a conceptual and interdisciplinary arena (Dovers 2000) in which ‘humans are restored as part of nature’ (Myllyntaus 2001) – provides a useful framework to cross conventional boundaries between the natural and social sciences, and to give more sympathetic attention to the complex mosaic of different land and resource users in African agricultural landscapes (Andersen and Grove 1987, Batterbury and Bebbington 1998, McCann 1999, Beinart 2000, Hays 2001, and Beinart and McGregor 2003). Some researchers have described the lasting influence of colonial regimes in shaping the contemporary institutional arrangements for the conservation of forests in West Africa (Fairhead and Leach 1995, Buttoud 1997, Ribot 1995, 1999a and 1999b, Firmin-Sellers 2000, Becker 2001, and Saul, Ouadba and Bognounou 2003). Other scholars have used historical data to question forest conservation ‘orthodoxies’ (Leach and Mearns 1996, and Fairhead and Leach 1996 and 1998) which failed to recognise the important roles played by local farmers and the extent to which they were influential in enriching agricultural and woodland landscapes (see also Richards 1985, and Baker 2000).

Complex processes of differentiation and primitive accumulation have characterised West African production systems for centuries (Hopkins 1973, Wilks 1982, and Lovejoy 1985). However, processes of commoditization in African farming systems have often been ignored as an explanatory variable to help explain environmental change (Bernstein and Woodhouse 2001). Furthermore, recent approaches to global commodity chains (GCCs) and global value chains (GVCs) moved away from earlier long-term world-historical perspectives on commodification (Hopkins and Wallerstein 1977, Hopkins and Wallerstein 1986, see also Landsteiner and Langthaler 2021). Emphasis has frequently been given to quality regulation, restructuring processes, standard-setting, upgrading and the institutional ‘rules of the game’ (Humphrey and Schmitz 2000, Raikes and Gibbon 2000), and more short-term and industry- and firm-centred analyses (Bair 2008, and Grewe 2019). 1 In contrast, scholarship on Global Production Networks (GNP) emphasizes the multi-scalar dynamics of globalization, particularly in terms of the embeddedness of global networks in national, regional, and local contexts, encompassing both state and non-governmental actors (Coe, Dicken, and Hess 2008). Commodities have led to the consolidation of a globalized economy and societies but this has often been forged out of distinctive local experiences of cultivation and production, and regional circuits of trade (Curry-Machado 2013, and Hazareesingh and Curry-Machado 2009: 1–5).

This paper, by focusing on a francophone colonial backwater, is a corrective to the focus in much environmental history on both anglophone ‘settler colonies’ (Ofcansky 1984, Beinart and Coates 1995, Griffiths and Robin 1997, and Brown 2003), or on the timber producing and Guinea-Savanna regions of West Africa (Gillis 1988, Wilks 1993, Parren 1994, 2005; Lee, Gereffi and Beauvais, 2012).

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1 The GVC typology evolved to recognize five governance structures (hierarchy, captive, relational, modular and market) determined by three key variables: the complexity of transactions; the ability to codify transactions and the capabilities of the supply base (Gereffi, Humphrey and Sturgeon, 2005; Lee, Gereffi and Beauvais, 2012).
Ibo and Leonard 1997, and Kotey et al 1998). Furthermore, little scholarly work has been published on the history of shea as a colonial commodity although excellent work has been published on the contemporary governance of shea value chains (for Burkina Faso, see Elias and Carney 2004, Rousseau et al 2005, Elias and Arora Jonsson 2017, for northern Ghana, see Chalfin 2004a and Gilli et al 2020). By adopting a Global Production Network approach to the evolution of the shea trade in Burkina Faso, the two papers emphasize the emergence of global trade which has been forged out of distinctive local experiences of production and transformation and local and regional circuits of trade controlled by women.

METHODS

The paper draws on a literature review and archival research primarily conducted at: i. Archives Nationales, Ouagadougou (Burkina Faso); ii. Centre National des Archives Outre-Mer, Aix-en-Provence (France); iii. Institute of Forestry, Agricultural and Environmental Engineering in France, Nancy (France); and iv. Archives Nationales in Abidjan (Cote d’Ivoire). In addition, due to the large-scale exodus of Burkinabé people into (now) northern Ghana throughout the period after the Volta-Bani War (1914–1916) and the re-creation of Haute Volta in 1947, additional research was conducted in some anglophone archives, notably the Public Records and Archives Department (PRAAD), Tamale (Ghana); Rhodes House, University of Oxford (United Kingdom) and the University of Edinburgh Special Collections (Scotland).

In general, better archival records exist for commodities such as cocoa and palm oil given the larger quantities and, hence greater values traded with European metropoles (Kotey et al 1998, Lynn 1998, and Acquaah 1999).2 We suggest that the comparative lack of historical data regarding the shea trade also reflects the complexities of unrecorded international trade with shea products moving south and north across international borders after colonial boundaries were first defined in the early twentieth century (Ellis and MacGaffey 1996, Fold and Reenberg 1999, Chalfin 2001, Wardell et al. 2003, and Nugent and Asiwaju 1996).

The use of multiple archival sources from French and British colonies facilitated understanding of how shea women were able to spread labour demand for processing and selling shea products throughout the year, and to use the opportunities provided by an elaborate network of periodic markets and trade relays to the south and north of the (new) international boundaries between Upper Volta and neighbouring countries such as the Northern Territories of the Gold Coast Colony, Côte d’Ivoire and Benin. The creation of a subversive borderland economy is explored further in the Discussion section of the paper.

A BRIEF HISTORY OF TRADE IN WEST AFRICA

Historical patterns of local, regional, and international trade in West Africa pre-date the arrival of the Portuguese on the West African coast in the 15th century (Brooks 1993, Wilks 1982, and Hopkins 1973). The ebbs and flows of the dominant commodities exchanged during the last five hundred years have been determined by a complex web of social, cultural, religious (notably the expansion of Islam and later Christianity), economic and ecological factors across the region (Fage 1969, Daaku 1970, and Webb 1995). These, in turn, were influenced by the larger framework of the world economy, progressive improvements in transport and communications technology, and the influences of fluctuating demand and commodity prices. It was, for example, the opening up of new maritime markets in West Africa after the Portuguese trading monopoly was overthrown in 1642 which resulted in the progressive decline in trans-Saharan trade in gold by the late 17th century (Wilks 1982 and Brooks 1993). European penetration of the West African hinterland did not begin in earnest until after 1900 (Brooks 1970 and Lynn 1998).

Linkages between local, regional, and long-distance trade

A multitude of short distance commercial networks and longer distance trading relationships have continually forged linkages between local, regional, and global trade (Newbury 1972). Furthermore, long-distance trade was possible long before the advent of colonialism as common monetary units such as gold standards and cowries existed, and trade relays involved multiple exchanges and modes of transport – camels, donkeys, and human porterage – in different ecological zones (Webb 1995). Elaborate decentralized networks of commercial alliances were maintained as trade routes changed, and new loci of commercial centres emerged such as Zuarungu close to present-day Bolgatanga in northern Ghana. Some scholars have highlighted the persistence of local and regional trade in, for example, salt (Sutton 1981), kola nuts (Lovejoy 1980 and Abaka 2005), and shea nuts (Chalfin 2004a and 2004b). European trade was largely confined to the West African littoral until the early 20th century. It was nurtured, initially, by African middlemen and European firms who operated as personalized oligarchic semi-monopolies. A significant expansion in the export of bulk commodities from, and bulk imports to West Africa occurred during the 19th century (Davies 1976 and Arhin 1980). This period – often characterized as the era of ‘legitimate trade’ after the abolition of slave trading (Mesheffrey 1983) – was dominated by the growth of trade in palm oil and palm kernels in exchange for imported cloth, guns, gunpowder, iron, salt and rum (Brooks 1970, Chamberlain 1979, and Lynn 1998). The transition to bulk

2 Paul Lovejoy noted that “There is virtually no information on shea butter, used as fuel for lamps and as cooking oil in the savanna before groundnuts became common” (Lovejoy 1985: 653).
exports was facilitated by falling prices for bulk steamship transport, the advent of the telegram, and growing demand for raw materials amongst the new industrial economies of Europe.\textsuperscript{3}

The period did, however, usher in some changes notably in terms of the organization of European trading firms by separating the functions of merchants and shippers and progressively shifting to more corporate forms of ownership and management. Other efforts aimed to bypass coastal agents to reach African markets in the hinterland, and the increasing ‘democratization’ of trade as smaller traders increasingly entered markets. It was also an era characterized by classic ‘boom and bust’ cycles and periodic failures associated with trade in palm oil in the 1860s (Milbourn 1970, and Lynn 1998), and mining in the 1890s (Silver 1981). During the latter part of the 19th century, trade in wild rubber (Arhin 1972) and West African mahoganies (Kotey et al. 1998) started to expand.

Pre-colonial patterns of shea trading

Shea provided the primary vegetable fat over a vast region of semi-arid Africa, in which the African oil palm \textit{Elaeis guineensis}, used for similar purposes in wetter environments, does not grow (Lewicki 1974). Shea butter was traded as far south as the Volta River in Ghana for products from the coast (salt and fish) and forest (kola nut) (Ehret 2002: 321–22, and Sutton 1981). Mossi, Juula, and Hausa caravans carried shea butter over long-distance trade routes prior to the Atlantic slave trade (Lewicki 1974: 106, Park 1983 (1799), and Barth 1968 (1857)). First-hand accounts from slave traders operating along coastal Gambia and Guinea-Bissau in the early sixteenth century also confirmed the shea trade from the interior to the Atlantic coast, where the tree did not exist (TerpPEND 1982). The demand for shea butter increased with the slave trade as it provided a moisturizer for Africans awaiting sale to Europeans (Cowley 1928).

The earliest evidence of shea trees being utilized is from an archaeological site in northern Burkina Faso dated to ca. 1000 AD (Neumann, Kahlheber, and Ueberr 1998, and Kahlheber 1999). Hohn and Neumann (2012) suggest, furthermore, that agroforestry parklands intercropped with millet began to be cultivated in the north of the country about 2000–2500 years ago as patterns of climatic aridity were moving southward (cited in Lovett 2015: 134). Additional archaeological evidence suggests that the processing of shea in western Burkina Faso has occurred for more than two thousand years (Gallagher, Dueppen and Walsh 2016).

The earliest recorded references to shea date from the fourteenth century as trading relations between the Mali empire and Egypt grew (Al-‘Umari 1927, and Levitzion and Hopkins 2000). Muslim travellers travelled along trade routes that crossed the Sahara, and included Al-‘Umari born in Damascus. His travels in ca. 1337–38 led to the encyclopaedic ‘Pathways of Vision in the Realms of the Metropolises’.\textsuperscript{4} Subsequently, Ibn Battuta born in Tangier, undertook a 24-year long world-wide trip through most of the Muslim world. His last trip across the Sahara to the Western Sudan (ca. 1352–1353) led to the \textit{Rihla} (Journey) a co-production with a scribe which also described uses of shea oil.\textsuperscript{5}

The arrival of European explorers to West Africa’s interior from the end of the eighteenth century brought additional attention to shea. Mungo Park’s search for the source of the Niger River took him along overland trade routes from the Gambia River into Guinea and Mali. The Scottish explorer noted the importance of the edible shea butter trade to Mandé-speaking populations, and the product’s multiple uses in his book, \textit{Travels in the Interior Districts of Africa}, published in 1799.\textsuperscript{6}

By the end of the nineteenth-century, French explorers, French envoys of the British Crown, and colonial military “\textit{aménageurs}” had all contributed to the considerable detail on shea that would later help in shaping its potential role in international trade. Colonial “\textit{aménageurs}” were frequently hired to explore and administer new colonial territories prior to the establishment of civil administrations (Puyo 2001: 484). This was equally true for the Gouvernement général de l’Afrique-Occidentale française (GGAOF), where the French had already established treaties with chiefs along the Senegambia coast since the 19th century. The expedition of René Caillié in the region from 1824–28 provides historical detail on the value of shea among the Mandingo (Caillié 1845 (1830)).\textsuperscript{7} Joseph Dupuis, a French envoy of the British King George the Fourth, described some of the tricks of the shea trade in his \textit{Journal of a Residence in Ashantee} (Dupuis 1824).

\textsuperscript{3} This era did not involve any major economic, political or social disruptions in the region; external trade had already proved to be profitable and offered the most favorable sources of credit. The credit or trust ‘system’ expanded and “Cash sales . . . also increased, but did not displace the advance of bulk stocks against supplies of kernels and oil, ivory, cotton and shea butter” (Newbury 1972: 93).

\textsuperscript{4} It described a tree called \textit{fariti} which “bears fruits like lemons but which taste like pears; Inside there is a fleshy kernel which is taken when fresh and ground, when it gives something resembling clarified butter (\textit{sammi})” (Levitzion and Hopkins, 2000: 263).

\textsuperscript{5} This also describes \textit{gharti} as “a fruit like a pear….Its kernel is crushed and oil is extracted from it, for which they have many uses. For instance, they cook with it, and light their lanterns with it, and fry these fitters with it and anoint themselves with it, and mix it with an earth which they have and coat the roofs of their houses with it, as one does with lime” (Levitzion and Hopkins, 2000: 287).

\textsuperscript{6} Park described the transport of the oil (shea-toulou) by slave traders from the interior to coastal areas and described the shea-dominated parklands (cultivated areas with shea nut trees) along the Niger River between Ségou and Bambara land in Mali. When forests were cleared for cultivation, he observed that shea nut trees were spared (Park, 1983 (1799): 84–85, 201).

\textsuperscript{7} Caillié described the occurrence of shea trees in cultivated fields near villages and observed the oil extraction from its nuts: ‘the finished product is wrapped in plant leaves, where it can be preserved for as long as two years’ (Caillié, 1845 (1830), I: 357; see also Felix, 1963).
Louis Hecquard (1855: 373–74) commented favourably on the taste of the shea fruit, and the ability of the oil to last years without turning rancid. David Asante’s observations in 1877 of items traded by the Hausa and Mossi caravans in Salaga included “a sort of vegetable oil which is firm even during hot spells” (Johnson 1966, cited in Duperray 1999: 135). Joseph-Simon Gallieni’s (1885: 440) exploratory mission to the upper Niger River in 1879–81 provided an early observation that women and children collected shea fruits. It was Paul Soleillet, however, who was the first person to note that shea butter (French: karité) was prepared exclusively by African women, a detail that was missing from all previous descriptions of karité (Soleillet 1887, cited in Carney and Elias 2006: 242).

In the same year, Sir Alfred Moloney, Governor of Lagos Colony between 1886–1891, published his Sketch of the Forestry of West Africa with Particular Reference to Its Present Principal Commercial Products. He noted that shea “constitutes a main article of inland commerce, and is employed by the natives for anointing their bodies, for lighting, and for food. This fat is imported from Sierre Leone to the extent of 300 to 500 tons annually for use in the manufacture of hard soaps, chiefly in combination with other oils. A substance somewhat resembling gutta-percha is found in shea butter and is called Gutta-Shea; no application, however, has been found for it” (Moloney 1887: 379, see also Omosini 1975). This was in contrast to early French interest in shea as a new source of latex.

**FIGURE 1** French West Africa, 1895–1960 (Source: Cohen 1971)

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8 Binger had earlier tried unsuccessfully to negotiate a treaty with the Mogho Naaba for the French protectorate (Binger, 1892).
access to the areas concerned, and the right to conduct trade. In practice, boundary disputes concerning the 11th parallel between the French and British administrations continued for many years and culminated in a joint British French mission (O’Kinaely-Verlaque) in 1904. This resulted in the delimitation of the boundary and a memorandum which recognized the user rights to lands belonging to all 34 villages straddling the boundary (Duperray 1999: 137–142). The communities were, in addition, granted the possibility to stay or to move to the other side of the boundary within a year. It is not known if these rights included rights to use shea trees.

Early French tropical agricultural research was characterized by the establishment of several small botanical gardens after 1880, which accompanied the (military) conquest and early occupation of France’s West African possessions. Similarly, Alfred Moloney, Governor of Lagos Colony, 1886–1891 set up a botanical station in 1887. This experiment was later accepted by the British Colonial Office as an important cornerstone of economic policy for the whole of British West Africa in the 1890s when the demand for tropical raw materials increased sharply. He also drew early attention to deforestation in both Lagos and the Gold Coast Colony (Omosini, 1975: 665–669).
led to experimental trials on larger areas to compare varieties, as well as soil preparation and fertilization methods (Bonneuil and Kleiche 1993). The first agricultural station was opened in Banfora in 1904 with research focusing on rubber produced from the liane *Landolphia heudelotii* (Tourte 2019a: 153).

Initial French interest in shea was as a substitute source of latex (gutta-percha) used as an insulator of submarine cables following the “profligate, inefficient and unsustainable methods of extraction” of *Palaquium gutta* and other tropical rainforest trees in South-East Asia (Tully 2009: 559, see also Anon 1892, Kennedy 1971, and Potter 2005). Heckel, who later became the Director of the Museum and Colonial Institute in Marseille, published the first (known) article entitled ‘*Sur un arbre producteur de gutta et de corps gras*’ (Heckel 1885 and 1897). This led to further studies of shea by Dr. Rancon in 1891 and later Coppin at a botanical garden in present-day Mali. The great French botanist Auguste Chevalier undertook eight missions in AOF between 1898–1912 (Chevalier 1902, and 1912) which led, initially, to the publication of his seminal tome *Étude du Karité considéré comme producteur de gutta* (Chevalier 1905, and 1917, see also Planchon 1888) and later, the first forestry and pastoral map of AOF (Chevalier 1912). Samples of shea gutta were first sent to the French Chambers of Commerce in Le Havre and Marseille in 1897. A year later a veterinarian Cazalbou, forwarded cases of shea butter to La Maison Poncelet in Paris. Other tropical rainforest trees in South-East Asia (Tully 2009: 559, see also Madiega and Nao 2003). Forced labour continued until 1946 with the more populated *cerces* in Haute Volta altered the most.

French interest in the export of shea products was limited at this stage given unfavourable customs import duties on oilseeds and competition from French farming interests which were advocating expansion of the domestic production of oilseed rape (Pehaut 1974: 445). The British, Germans, Dutch and Belgians were, in contrast, more interested in shea as a commodity for the margarine industry. In 1907, a British company expressed interest to the Governor General of

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12 This was expanded and updated in 1917.
13 An Arrêté was adopted on 29 July 1906 prohibiting the cutting of shea trees throughout the colony of Haut Senegal and Niger (Vuillet, 1911: 93–94).
14 *Journal Officiel de l’Afrique Occidentale Française* (JOAOF), 25.10.1900: 418–419; JOAOF, 01.11.1900: 426–429; JOAOF, 8.11.1990: 435–438; and JOAOF, 15.11.1900: 443–444. Archives Nationales, Ouagadougou.
15 Martin Klein, *Slavery and Colonial Rule in West Africa* (Cambridge: Cambridge University Press, 1998); Richard Roberts, *Two Worlds of Cotton. Colonialism and Regional Economy in the French Soudan*, 1800–1946 (Stanford-Stanford University Press, 1996); Fall, *Le travail forcé en AOF*; Boubacar Barry, *La Sénégalie du XVe au XIXe siècle: traite négrière, Islam, conquête coloniale* (Paris: L’Harmattan, 1988); Denise Bouche, *Les villages de liberté en Afrique noire française, 1887–1910* (The Hague: Mouton, 1968); Jean-Louis Boutilier, “Les captifs en AOF, 1903–1905”, *Bulletin de l’IFAN*, 30, ser. B, 2 (1968): 511–535; Dennis Cordell, Joel Gregory, “Labour reservoirs and population: French colonial strategies in Koudougou, Upper Volta, 1914 to 1939”, *Journal of African History*, 23, 2 (1982): 205–224; Martin Klein, Islam and Imperialism in Senegal: Sine-Saloum 1847–1914 (Stanford: Stanford University Press, 1968); Patrick Manning, *Slavery, Colonialism and Economic Growth in Dahomey*, 1640–1960 (Cambridge: Cambridge University Press, 1982); François Renault, *Libération d’esclaves et nouvelle servitude: les rachats de captifs africains pour le compte des colonies françaises après l’abolition de l’esclavage* (Abidjan: ANSOM, 1976); Richard Roberts, *Warriors, Merchants and Slaves: the State and the Economy in the Middle Niger Valley, 1700–1914* (Stanford: Stanford University Press, 1987); Henri Brunschwig, *Noirs et blancs dans l’Afrique noire française ou comment le colonisé devient colonisateur* (1870–1914) (Paris: Flammarion, 1983).
16 Margarina became a global food product within decades of its invention in 1869 (van Stuyvenberg, 1969).
Haut-Sénégal-Niger, in buying 100.000 tonnes per year of shea nuts on the basis of a five-year renewable contract.17

By 1910, the Haut–Sénégal–Niger colony had started to export shelled kernels rather than whole nuts. This improvement, by reducing the volume of exports per unit mass of kernels, led to an increase in kernel exports, from 25 tons in 1910 to 243 tons in 1911 (Perrot 1915). Margarine manufacturers were the first outlet for shea exports (Pehaut 1974) but shea was also used in soap and candle manufacturing as well as in pharmaceutical products and as an industrial lubricant.

In the 1920s, irregularities in consignments, inconsistent product quality and transport constraints from the AOF’s landlocked countries hindered expansion of the export market. No shea plantations were successfully established during the colonial period in either French or British colonies (for northern Ghana see Wardell and Fold 2013).

THE CREATION OF HAUTE VOLTA AND MODEST GROWTH IN THE SHEA TRADE

Modest growth in the shea trade in the early colonial period

The interest of colonial trading firms and early industrial investments led to modest growth in the shea trade in the early colonial period in Upper Volta, which served primarily as a labour reserve for French West Africa. Trade in shea by women continued in local periodic markets in Upper Volta and across borders in neighbouring territories.

Upper Volta as a ‘nation state’ had a chequered history after its creation in 1919 (Izard, Bonnefond and d’Huart 1967; Englebert-Pedersen 1993, McFarland and Rupley 1998, Englebert 1996, Duperray 1999, and Chafe 2002), following advice from Maurice Delafosse18 to separate the vast Haut Sénégal-Niger territory (Royer 2003: 44). The country was suppressed in 1932 and the territory was redistributed between Haute-Côte d’Ivoire, Niger and Soudan Français (Mali) (Kobi 2019). In the same year, Colonial Inspector Bernard Sol noted that “...one part of the Agricultural Service appeared to have been completely neglected: we are referring to the forestry sector”.20 The first Code Forestier for GGAOF was adopted during this period in 1935. Haute Volta was reconstituted in 1947 and gained full independence in 1960. The country adopted its new name, Burkina Faso, after Thomas Sankara came to power in 1983 (Rothschild and Gyimah Boadi 1989). After World War II, the colonial state’s interests shifted towards groundnuts and cotton as the priority crops to underpin the colony’s economic development. Low investment, limited transport infrastructure, changing metropolitan demands for oilseeds, and the ability of local producers to continue to use their own local and regional marketing networks also contributed to the decline of the shea nut export trade in the late colonial period. In essence, the production and supply of shea products remained central to servicing the needs of Burkinabe and West African consumers throughout the colonial period.

The Burkinabe population was, inevitably, affected by the establishment of colonial states, and institutions such as Forestry Departments, as well as efforts to integrate local production systems into the global economy. These forces interacted continuously, however, with long-established patterns of customary land and resource use, migration, social change, and internal trade (Gregory 1974, Cordell and Gregory 1982, and Cordell, Gregory and Piche 1996). Early and violent resistance to colonial rule was substituted by persistent migration from the region as a form of protest by local communities to avoid the cumulative burdens of capitulation tax, forced labour, military conscription, corporal punishment, and forest policies (Asiwaju 1976, Saul and Royer 2001, see also Dresch 1945 and Rouch 1956).

Lieutenant Governor Hesling considered the territory of Haute Volta to be devoid of real forests shortly before its suppression in 193221 before the belated introduction of the ‘empire forestry mix’22 (Barton 2002) in Haute Volta. This led...
to the appropriation of large areas of land by the colonial state: seventy protected areas were gazetted in accordance with the 1935 federal *Code Forestier* before the country gained independence in 1960 (Ribot 1995 and 1999a, Wardell and Reenberg 2006). As renowned Burkinabe researcher Edouard Bounkoungou noted in 2005: “Dry forests in arid and semi-arid regions were viewed with disdain as scrublands of slow-growing twisted bushes, which benefited from little attention as they represented no value to the commercial timber trade” (Bounkoungou 2005: 3–4). In contrast, the country’s agroforestry parklands remained a critical source of shea kernels which continued to sustain women’s livelihoods by supplying local periodic markets and meeting regional demand for shea butter. Archival records did not enable us to ascertain how out-migration from Upper Volta or *corvée* may have affected internal labour and market networks.

**Colonial trading firms**

During the colonial period, large colonial trading firms such as the *Compagnie Française d'Afrique Occidentale* (C.F.A.O.) and the *Société Commerciale de l'Ouest Africain* (S.C.O.A.) bartered local agricultural products for cheap and over-priced manufactured (imported) goods across all GGAOF territories, albeit with a limited presence in Haute Volta (Table 1). Large profits were made in a trading system characterized as being "close to pillage" (Coquery-Vidrovitch 1975: 597). C.F.A.O., the older Marseille-based company, enjoyed a virtual monopoly on GGAOF trade in groundnuts from Senegambia, although the origins of the trade were associated with the port of Bordeaux (Pehaut 1974: 302–366). S.C.O.A., in contrast, traded in palm oil, cocoa and timber, which represented 75% of the volume of exports from GGAOF in the 1920s. Both companies were also involved in the cocoa trade with the Gold Coast Colony.

By 1930, three companies (C.F.A.O., S.C.O.A. and the British United Africa Company, owned by Unilever) controlled up to 75% of all West African trade (Hopkins 1973). Recent research based on estimating the gap between the prices paid to African producers by French trading companies and prices that should have been paid in a counterfactual competitive market showed that African prices were only a small fraction of competitive prices, implying an annual loss of almost 2% of GDP during colonial rule (Tadei 2020). By the outbreak of World War II, their share of total trade increased further, reaching up to 90% for some commodities (Suret-Canale 1971).

The colonial trading firm exchange system relied on a regional hierarchical network of local trade posts working with local traders. During this early period, Voltaic wholesalers were not at the head of the regional value chain. After the economic crises of 1920–21 and 1927–1934, the French colonial administration offered preferential tariffs and incentives to stimulate the production of oilseeds and nuts focusing on groundnuts and copra to reduce France’s reliance on foreign, including British, products (Olukoju 2009: 123, Seka 2018). This largely benefited the colonial trading firms and not the farmers. Such protectionism in importing countries and competition from whale oil, Indian Coromandel groundnuts and Sumatran palm produce (which had replaced Nigeria as the world’s major exporter of palm oil by 1934, see Martin 2003: 67–68) resulted in negligible interest or investment in shea by the French colonial administration throughout the colonial period.

**TABLE 1** Value of oilseeds exported from GGAOF in 1895 and 1930

| GGAOF Exports | 1895 | 1930 |
|---------------|------|------|
|                | Francs ('000) | Valeur en francs 1914 ('000) | Francs ('000) | Valeur en francs 1914 ('000) |
| **Total exports** | 40.000 | 48.000 | 1.097.598 | 197.568 |
| **Total oilseed exports** | 28.840 | 34.600 | 691.314 | 124.437 |
| **Groundnuts** | 11.357 | 13.628 (39%) | 507.174 | 91.291 (73%) |
| Palem nuts | 6.547 | 7.857 | 96.402 | 17.352 |
| **Shea nuts** | - | - | 1.425 | 257 (0.2%) |
| Palm oil | 10.852 | 13.023 | 55.920 | 10.066 |
| Groundnut oil | - | - | 16.489 | 2.968 |
| **Shea butter** | - | - | 8.091 | 1.456 (1%) |

Source: Based on Pehaut, 1974: 420 (% of total oilseed exports)

1 Bulletin mensuel de l’Agence économique de l’AOF No. 133, janvier 1932 cited in Pehaut, 1976: 420

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23 53 Forest Reserves, 2 National Parks and 14 Total or Partial Faunal Reserves were gazetted in Haute Volta with a total area of 2.935.000 hectares representing ca. 13 per cent of the national territory. However, several conflicting estimates exist of the total area of state protected areas in Burkina Faso.

24 S.C.O.A. commissioned a study in 1918 to promote cotton and palm oil production, the same year C.F.A.O. joined the *British Nigerian Company* (Coquery-Vidrovitch, 1975: 600). Groundnut production in 1924 was 315.000 tonnes of which 78% was exported to France. This had increased to 535.000 tonnes by 1936.

25 This represented primarily trade in seven key commodities viz. cocoa, coffee, cotton, groundnut, palm kernel, palm oil and rubber.
Annual exports of shea nuts and shea butter from AOF were irregular between 1906–1930 (Pehaut 1974: 440–447, Figure 3). Haute Volta averaged 670 tons per year prior to the Great Depression, with large annual variations (Table 2). The large colonial trading firms did, however, start to open new offices in remote markets such as Haute Volta and shea nuts were initially traded by C.F.A.O. in 1939–40 (Coquery-Vidrovitch 1975: 608). The transportation costs from Haute Volta remained high until the Abidjan-Ouagadougou railway opened up in 1955 (Debrie 2010, see also d’Almeida Topor, Chanson-Jabeur and Lakroum 1992).

**Decline in the shea trade in the late colonial period**

Industrialisation was not a priority of GGOAF, particularly in Haute Volta whilst the “pacte colonial” remained in force (Compaore 1984: 11). The first oilseed extraction factory was constructed in 1928 by another colonial trading firm, the Compagnie Française de la Côte d’Ivoire (C.F.C.I.) (Pehaut 1974: 500). It primarily processed groundnuts and exported 1.301 tonnes of oil in 1931. The Director of C.F.C.I. published a review of shea in AOF in which he estimated annual production of shea butter in AOF could reach 15,000 – 20,000 tonnes if the “rational culture of shea”, originally proposed by Emile Perrot and Jean Vuillet in 1907 and 1911 respectively, were introduced (Annet 1930: 920). Annet also proposed fixing the purchase price of shea each season through tripartite agreements between local shea producing communities, the colonial administration, and industrial or trading interests (Annet 1930: 920).

By 1937 the shea export trade had increased to 8,451 tons of shea nuts, and 2,927 tons of shea butter. Two other factories were subsequently built by the Compagnie Industrielle de BadiaKaha (CACIB) in Koudougou and the Société des Huiles et Savons de Haute-Volta (SHSHV), a subsidiary of the Comptoir des Industries Textiles et Cotonnières (CITEC) in Bobo Dioulasso. After 1942, AOF became a vast territory to supply the allies during World War II as the first factories started to transform raw materials into exportable products. In practice, industrialization of the country’s two key towns – Ouagadougou and Bobo Dioulasso – only started in earnest after the adoption of the first Investment Code in 1962. The majority of exports from Burkina Faso to the present-day are as unprocessed kernels (AAK is the largest exporter). Limited industrialization took place during the colonial period. Although shea exports did increase in the 1930s, by the time the country gained independence shea production for export had declined again.

As part of preparations to participate in ‘the (French) empire and national defense’ (Michel 1982), a heavily subsidized ‘colonial petroleum’ project was developed and was

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**TABLE 2** Exports of shea nuts and shea butter from AOF, 1926–1928 (tonnes)

| Product       | 1926  | 1927  | 1928  |
|---------------|-------|-------|-------|
| Shea nuts     | 1.366 | 565   | 1.429 |
| Shea butter   | 4.003 | 2.369 | 1.973 |

Source: Annet, 1930: 917

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26 The figures for the years 1906–1918 represent total exports from Haut Senegal, Niger and Ivory Coast as the productive regions of Haute Volta were included in these colonial territories. Between 1919 and 1932, exports from Haute Volta are included in the figures for Ivory Coast due to the lack of credible sources of customs data which could determine the exact origins of shea exported via ports on the West African coast. These figures, therefore, probably underestimate the actual exports from Haute-Volta during the colonial period.

27 Louis Broders managed a family-owned company in France, CARBUSOL and was granted a patent in September 1939 to develop and test a technique to extract petroleum products from plants including shea. France had learned important lessons on securing raw material supplies after WWI.
perceived to be of particular interest for landlocked colonies such as Upper Volta. A third factory was eventually built near Boromo by the Société d’Exploitation des Carburants Coloniaux (SECACO). SECACO obtained credit, initially, through the French Fonds de Solidarité established in 1940.

An additional four-years of funding was provided through the post-World War II Fonds d’Investissement pour le Développement Economique et Social (FIDES). After extraction, shea butter was sold to the colonial trading firms based on prices fixed by an Arrêté of the Governor of the colony. After the re-constitution of Haute Volta in 1947, relations between SECACO and the new governor of Haute Volta deteriorated, although the factory did continue to produce biofuels using shea oil for three years between 1950–53 before it was liquidated in 1956 (see also Massa and Madiega 1995: 279–280) (Table 3). By this stage, metropolitan France had also changed its strategy to diversify its sources of oils.

Following an article by Auguste Chevalier (Chevalier 1946), additional research on shea was conducted in the late colonial period (1949–1958) at the Niangoloko research station in the extreme south-west of the country under the auspices of the Institut de Recherches pour les Huiles et Oéagineux (IRHO) (see for example, Servant 1956, Ryussen 1957 and Desmarest 1958). This research focused on biological studies and the distribution of shea across the country, propagation techniques, and the establishment of shea plantations, and technologies to conserve, dry and extract shea butter. Despite an initiative to develop a new shea research programme (Peperty and Coudeau 1959), IRHO research was suspended before the country gained independence (Picasso 1984).

Little additional research on shea was conducted until after the post-2000 boom in the global trade in shea. Picasso noted in 1984 that “in addition to a lack of extension of the first results obtained, the absence of interest and means ensured that little follow-up occurred (Picasso 1984: 43).

In 1956, in an attempt to put an end to marked fluctuations in shea prices in French West Africa due, in part, to the typical three-year cycle in shea production, a first price stabilization fund (Caisse de Stabilisation des Prix) for shea exports was created. Yet, low shea production in the late 1950s counteracted these endeavours and the fund was liquidated in 1959 (Pehaut 1974). Women shea collectors and transformers preferred to use the nuts and processed butter for their own domestic consumption, and/or for sale in local periodic markets and to meet regional (cross-border) demand. A second price stabilization fund (Caisse de Stabilisation des Prix des Produits Agricoles) operated between 1968 to 1994 (Government of Burkina Faso/ITC 2015). This is explored in the second paper (Wardell et al. 2021).

After World War II, the colonial state’s interests shifted towards groundnuts and cotton as the priority crops to underpin the colony’s economic development. Low investment, limited transport infrastructure, changing economic demands for oilseeds, and the ability of local producers to use their own local and regional marketing networks also contributed to the decline of the shea nut export trade in the late colonial period. In essence, the production and supply of shea products remained central to servicing the needs of Burkinabé and West African consumers throughout the colonial period.

TABLE 3 Exports of shea nuts and shea butter from AOF, 1937–1953 (tonnes)

| Product       | 1937  | 1948  | 1952  | 1953   |
|---------------|-------|-------|-------|--------|
| Shea nuts     | 15.874| 45.000| 9.109 |        |
| Shea butter   | 6.657 | 1.529 | n/a   | 199    |

Sources: Chevalier, 1943: 100; Sissao, 2010: 285; and Pehaut, 1974

28 Supplies of shea nuts were provided to the factory either using forced labour from villages neighbouring the site (until 1946 when forced labour was abolished), or by the colonial trading companies which depended on a network of local traders to purchase from local periodic markets up to 150 km from the site. Sissao suggests that SECACO only produced 1.529 tonnes of shea butter from 45,000 tonnes of shea nuts (Sissao, 2010: 283).

29 This followed additional research conducted by Professor Canac’s laboratory at a Scientific Research Centre in Marseille to develop an improved shea butter refining process. AFFECO/904, dossier SECACO. Archives du Centre National d’Outre-Mer, Aix en Provence, France.

30 Haute Volta served as a labour reserve for other colonies in GGAOF. The extraction of male labour left women-headed households with reduced labour for agricultural operations. The collecting, processing and transformation of shea nuts enabled women to spread their labour demand throughout the year to generate both edible oil for their own consumption but as a consistent source of revenues through sales in local periodic markets (Wardell and Fold, 2013).
opportunities created by new international borders, and the ‘blindness’ of colonial officials to the economic, social and cultural functions of periodic local markets used by women shea traders. Ultimately, the production and supply of shea nuts and shea butter remained central to servicing the needs of Burkinabe and West African consumers throughout the colonial period. Most recent scholarship on the shea trade has focused on relatively recent events and actions, detached from the broader historical context in which it is embedded. This paper emphasizes the emergence of globalized trade which was forged out of distinctive local experiences of production and transformation and local and regional circuits of shea trade controlled by women. By understanding the patterns of pre-colonial and colonial trade in the commodity this helps to explain the gendered nature of the contemporary shea economy in Burkina Faso.

Negligible investment in a French colonial backwater

French West Africa (GGAOF) covered an area nine times the size of France comprising ‘coastal’ spaces with a population of 5 million which exported 91% of exported products. The other ‘continental’ spaces including Haute Volta had a total population of 12 million but accounted for less than 10% of agricultural exports (Suret-Canal 1972). The generally low investment in French West Africa, after the 13 April 1900 law removed subsidies to the colonies, was acute in Haute Volta and typified by the belated completion of the railway line linking Abidjan and Ouagadougou in 1955. More than half of the total expenditure on transport infrastructure under the Investment Fund for Economic and Social Development (FIDES) was allocated to Sénégal and Côte d’Ivoire (Debrie 2010: 296). Recent research has highlighted the long-term impacts of early colonial public investments (or lack thereof) in French West Africa (Huillery 2009).

Distances to coastal ports and the prices offered for a high-volume low-value commodity such as shea kernels rendered global trade uneconomic. The delays in completing the Abidjan to Ouagadougou railway did not help this situation. Other ambitious, large scale, capital-intensive projects such as the Office du Niger saw Haute Volta primarily as a labour reserve, as was the case with earlier colonial infrastructures and plantation investments in Sénégal and Côte d’Ivoire (Kobi 2019: 47). Colonial efforts to transform indigenous systems of (agricultural) production were, in general, unsuccessful, and probably led to further marginalization of the colony. An estimated 60% of colonies’ budgets in French West Africa came from capitation tax. Direct taxes (capitation tax, trading tax and property tax) represented 89% of the total resources of the colonies (Huillery 2009: 181). Local budgets in each colony had to cover all expenses except for military expenses and some of the large-scale public works.

Two initiatives to use shea as a source of gutta-percha and later as a raw material for the production of biodiesel were unsuccessful. The heavily subsidized ‘colonial petroleum’ project which tried to use shea oil as a feedstock for biofuel production was liquidated in the mid-1950s. A decade of investment in research on shea as a potential oilseed in the late colonial period was abandoned shortly before the country’s independence in 1960. Groundnuts and cotton remained the priority export crops in the early and late colonial periods, respectively.

Haute Volta as a labour reserve for other GGAOF colonies

The colonial ‘labour reserve’ policy in Haute Volta systematically extracted able-bodied men from the territory to provide labour for infrastructural investments in transport infrastructure, cocoa plantations and the timber industry, notably in Côte d’Ivoire and Sénégal. The chiefs (‘Chef de Cercle’) imposed by the French colonial administration became de facto labour agents for the colonial government and were responsible for encouraging labour migration (Osborn 2003). This left Burkinabe households short of male labour for agricultural production, and heightened the importance to women of value-added processing of shea kernels, and the marketing of kernels and shea butter, all of which they managed themselves. Shea enabled women to spread labour demand for processing and selling shea products throughout the year, and to use the opportunities provided by an elaborate network of periodic markets and trade relays to the south and north of the (new) international boundaries between Burkina Faso and neighbouring countries such as Ghana, Côte d’Ivoire and Benin (Chalfin 2004b, Fold and Reenberg 1999, Wardell and Fold 2013). Hence, the constancy of three-day periodic markets enabled women to sustain their livelihoods and to reproduce social relations devoid of ‘boom and bust’ cycles,

32 Rene Dumont (1969: 46) noted that “within the framework of FIDES very large sums were granted to French-speaking Africa. In face of the immense needs, however, they seemed quite modest. The aid could in fact have been increased many times without a corresponding tax pressure, had France the courage politically to decolonize more rapidly. Forty-six percent of the FIDES grants, particularly in the first four-year plan, were used to build roads, ports and airports. These were indispensable to open up the countries, but could have been achieved at less cost.” In contrast, Paul Nugent (2004) suggests that “the consensus among historians is that FIDES amounted to much more than an ideological fig leaf. It did channel substantial resources into the African colonies – initially (as in the British case) into infrastructural development, but later also into industrial enterprises and agricultural projects.”

33 French District Administrators were the real chiefs of the French empire (Delavignette, 1939) and oversaw tax collection, counting people, developing maps, schools, planning and supervising the building of roads, bridges, wells and tracks, arresting criminals and judging them in accordance with the ‘native population code’ (Code de l’Indigénat). The official tasks of African chiefs were to collect taxes, recruit the workforce for forced labour and recruit military reservists. The amounts to be collected and numbers to recruit were defined by the French administrators (based on Huillery, 2009: 181).
price wars and ‘hold-ups’ which characterized other globally traded commodities such as palm oil and cocoa in southern Ghana (Milbourn 1970, Lynn 1998).

Women were instrumental in sustaining rural livelihoods by using periodic markets on both sides of the border to trade in shea kernels and butter (Fold and Reenberg 1999, Chalfin 2001, Chalfin 2004a, and Wardell and Fold 2013). Hence, colonial labour extraction policies in Haute Volta, mirroring those in the neighbouring Northern Territories of the Gold Coast Colony, may have reinforced the ‘gendering’ of agroforestry parkland landscapes (Merchant 1990, Norwood 2001, Carney and Elias 2006).

Shea as a peripheral imperial commodity

French tropical agronomy formed part of the “global project for the rational and intensive exploitation of colonial resources” (Sarraut 1923), which specialized in the large-scale production of some priority agricultural products to supply mainland France. Botanical gardens and experimental stations represented the early interface between scientists and colonial administrators. The most important commodities to the French colonial administration, French scientists and French colonial trading firms in French West Africa were groundnuts, palm oil, cocoa, timber and later cotton. Shea was a peripheral ‘imperial commodity’ throughout the colonial period (Hazareesingh and Curry-Machado 2009, and Curry-Machado 2013) despite the early interest shown in it during the Colonial Exposition in Marseille in 1905 (Henry 1907: 239).

Colonial agricultural development in the GGAOF colonies focused on plant breeding, agronomy, and phytopathology of other prioritized commodities such as groundnuts in Senegal (Bonneuil 1999), cocoa in Côte d’Ivoire (Tourte 2019), and after 1920, cotton in Haute Volta (Tourte 2019c: 431–433, see also Roberts 1996). Some efforts were made to rationalize shea production for exports and included proposals to produce latex as a substitute for gutta-percha (Vuillet 1901) and to establish managed forest reserves of shea trees and shea plantations in Katibougou in present-day Mali (Vuillet 1911, Bonneuil and Kleich 2003, and Tourte 2019a). These early initiatives were thwarted, however, as violent resistance to colonial rule culminated in the Volta-Bani War 1915–1916 across Burkina Faso and Mali. 5,000 troops under French authority were deployed to end the anticolonial movement and resulted in the death of an estimated 30,000 Africans, and the destruction of more than a hundred villages (Vennes 2018: 87, Saul and Royer 2001).

This event triggered the cumulative migration and settlement of an estimated 1.3 million Burkinabe migrants into the neighbouring Protectorate of the Northern Territories of the Gold Coast Colony (Marchal 1999: 222, see also Dresch 1945 and Rouch 1956). Migration was to avoid the cumulative burdens of military conscription after 1915 (Echenburg 1975), French capitation tax, forced labour on, for example, collective farms until 1946, and corporal punishment (Asiwaju 1976, Royer 2003). This was compounded by increasingly restrictive land and forest policies that created a ‘history of fear’ for Burkinabe resource users (Ribot 1995 and 1999a).

Research on shea conducted by the Institut de Recherches pour les Huiles et Oléagineux (IRHO) in the late colonial period yielded some promising results before IRHO was suspended in 1958. By this time metropolitan France had changed its strategy to diversify its sources of oilseeds. Little or no investment in additional research on shea was conducted until after the post-2000 boom in the global trade in shea. The volume and value of the shea trade continued to remain insignificant in relation to the dominant French trading firms’ interests in groundnuts, timber, and cocoa, and after 1920, the colonial administration’s interest in developing cotton production. The volatility of annual shea nut exports varied between 0.5 and 2.9 metric tons during the colonial period. Exports declined in the late 1950s due to over-production of other vegetable oils.

The blindness of colonial officials and scientists

Throughout the colonial era, little effort was made by either the colonial administration or French scientists to understand customary land and resource tenure arrangements, the socio-cultural and economic functions of local periodic 3–4 day markets or cross-border trade, and the role of women in either the management of shea parklands or the collection and processing of shea. Colonial officials and scientists alike had little, if any, understanding of either the social functions of periodic markets or the dominant role of women in shea production and marketing processes. In addition, “Colonial officials did not consider the human agency involved in V. paradoxa selection” (Carney and Elias, 2006: 237). The colonial administration and scientists relied on a “world on paper” (Hawkins 2002) determined by maps, laws, decrees and arrêtés, writing a linear concept of history in stark contrast to the knowledge, practices and oral histories of women shea collectors. Local profligate practices including the use of fire as a land management tool were frequently critiqued by colonial officials (see, for example, Laris and Wardell 2006). Women were, furthermore, rarely favoured interlocutors by colonial administrators, scientists or technicians, and the colonial state assumed erroneously that producers would

34 The 20,000 tonnes of cotton set as an annual production objective by Governor Edouard Hesling in 1925 was finally achieved in 1968. This increased to over 400,000 tonnes in the early 2000s (Tourte, 2019c: 433).
35 Collective farms to produce cotton using forced labour were replaced by “model farms” of between 20–60 hectares and by 1930, by “family farms”. In 1931, 93 family farms were supervised by the Service de l’Agriculture which, by then, comprised only ten staff. In addition, an experimental cotton farm was established at the Saria Agricultural Station in 1929: by 1934 133 hectares of demonstrations plots of millet, maize, groundnuts and cotton were being used to train young farmers who after two years were expected to establish their own family farms (Tourte, 2019a: 235–237).
respond positively to world market incentives. The French colonial state (and its post-independence successor – see Wardell et al 2021) attempted to regulate indigenous forms of knowledge, gender relations, and social reckoning through legislation. Women shea nut producers and shea nut processing in Haute Volta lived in a “world that didn’t count” (McMichael 2004: 7), and remained in the shadow of cocoa growers in Côte d’Ivoire and Ghana until the post-2000 boom in the global shea trade. Women remained, nevertheless, firmly in control of the local and regional shea trade.

**The creation of a subversive borderland economy?**

We suggest that despite – or perhaps in response to – neglect by the French colonial state, women were instrumental in sustaining rural livelihoods by using local periodic markets to trade in shea kernels and butter on both sides of the new borders separating Haute Volta from its neighbouring territories. These emerged as new international boundaries around the formerly contested Neutral Zone (see Figure 2) were recognized and helped to create ‘subversive economies’ in the borderlands (Donnan and Wilson 1998, see also Wardell et al 2003). The 11th parallel separating Haute Volta and the Protectorate of the Northern Territories of the Gold Coast Colony has been described as a phantom frontier (Duperray 1999). After the Volta-Bani War, the cumulative exodus of a third of the total estimated Burkinabé population in 1920 (Marchal 1999: 222) and historically embedded patterns of trade and migration in the region (Cordell, Gregory and Piché 1999) helped to create this subversive economy. Ironically, the key factor which influenced the placement of the border separating British and French territories was the protection of metropolitan trading interests.

Early attempts by the British to control and regulate the transit trade through the (then) North East Frontier District were abandoned by 1915. In practice, border zones with Ghana, Côte d’Ivoire, Togo and Benin are all distinguished by their ethno-linguistic, cultural, ecological and commercial affinities which has fostered the strengthening of economic alliances and networks outside the formal boundaries of the nation state. State boundaries separating compatible local periodic market systems, differential currency rates and pricing regimes all provided new (and changing) opportunities for women shea nut and shea butter traders to develop and sustain their production and marketing systems to the north and south of the borders. Women also benefited from the immutability of ‘marginalized locales’ (Chalfin 2001), which remained largely free from both state regulation and the vagaries of global commodity chains.

**CONCLUDING REMARKS**

West Africa’s agroforestry parklands provide a broad range of goods and services at the local, national, and regional levels throughout the region. They constitute part of a complex mosaic of different land uses in landscapes often characterised by many resource users. Their extent and composition have been moulded for centuries by the complex interactions between humans and their biophysical environment. Humans and livestock use land and forest resources, and by doing so they become an integral component of the parkland system, influencing the patterns and processes of change. Human-induced processes have a strong ‘random’ element as people tend to adapt continuously to changing conditions and priorities in an unpredictable way (Berry 1993). The shea tree (Vitellaria paradoxa) is still the most commonly occurring species in the parklands of Burkina Faso.

In the early part of the 20th century, the French (and neighbouring British) colonial administrations considered the possibilities of starting large-scale exports of shea kernels to Europe. Early interest focused on the potential use of shea latex as a substitute for gutta-percha. The interest of colonial trading firms led to modest growth in the shea trade in the early colonial period in Haute Volta.

Thereafter, violent resistance to colonial rule during the Volta-Bani War was replaced by persistent migration into the (British) Protectorate of the Northern Territories of the Gold Coast Colony, as a form of protest by local Burkinabé communities to avoid the cumulative burdens of capitation tax, forced labour, military conscription, corporal punishment, and restrictive forest policies. Multiple initiatives to improve the extraction of shea butter (mechanically and chemically), to protect shea parklands or to establish shea plantations, as well as early industrialization efforts, including a French ‘colonial petroleum’ project, were not successful.

The colonial state assumed erroneously that little shea trade existed, and that producers would respond positively to market incentives. Shea remained a peripheral imperial commodity throughout the colonial era. Women shea collectors and processors played a critical role as agents in this part of the French West African empire as “instigators and promoters” (Curry-Machado 2013: ix) in terms of their capacity to use (or not) the forces of globalization to serve their own interests of local autonomy. French colonial policies also failed due to a composite of factors including the limited investment in either the colony or shea as an oilseed crop, the prohibitive costs of road transport and limited transport infrastructure, the adaptation by women shea producers to the extraction of male labour and the trade opportunities created by new international borders, and the “blindness” of colonial officials to the economic, social and cultural functions of periodic local markets used by women shea traders.

During the late colonial period, a first attempt was made to put an end to marked fluctuations in shea prices in French West Africa by creating a first price stabilization fund (Caisse de Stabilisation des Prix), but low shea production in the late 1950s counteracted these endeavours and the fund was

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36 A District Supervisor of the Kunkwa (customs) collecting station on the north-east border (between present-day Ghana and Burkina Faso) suggested that “…as far as I can see they not only lack initiative, but also appear to be devoid of all business instinct…”. Trade Report for the quarter ending 30 June 1914, Kunkwa Preventive Service Collecting Station, North East Frontier District. NAG/ADM/56/1/131.
liquidated in 1959 (Pehaut 1974). Shea collectors and transformers preferred to use the nuts and processed butter for their own domestic food consumption, and/or for sale in local periodic markets including cross-border local markets. Ultimately, the production and supply of shea nuts and shea butter remained central to servicing the needs of Burkina Faso and West African consumers throughout the colonial period.

Most recent scholarship on the shea trade has focused on relatively recent events and actions, detached from the broader historical context in which it is embedded. Little scholarly work has been published on the history of shea as a colonial commodity. Women were instrumental in sustaining their rural livelihoods by using local periodic markets to trade in shea kernels and butter on both sides of the new borders separating Upper Volta from its neighbouring territories.

The continuities and changes in the governance of shea supply chains in Burkina Faso after independence in 1960 are explored in a second paper ‘Shea – the emergence of global production networks, 1960–2021’. By adopting a Global Production Network approach to the evolution of the shea trade in Burkina Faso, the two papers emphasize the emergence of globalized trade which was forged out of distinctive local experiences of production and transformation and local and regional circuits of shea trade controlled by women. Our intention is to demonstrate that one way of dealing with the complexity of globally, regionally and locally traded commodities such as shea nuts and shea butter, is to expand the period under scrutiny to compare the effects of present and previous waves of globalization. The separation of economic processes from social arrangements cannot easily be done, especially not in the longue-durée of socio-economic development.

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