







SECOND EDITION

DK DELHI

Project Art Editor Shreya Anand Editor Aadithyan Mohan DTP Designers Anita Yadav, Rakesh Kumar Jacket Designer Tanya Mehrotra Jackets Editorial Coordinator Priyanka Sharma Managing Editor Kingshuk Choshal Managing Art Editor Govind Mittal

DK LONDON

Editor Sophie Parkes

Jacket Designer Surabhi Wadhwa-Gandhi Jacket Editor Claire Cell

Development Manager Sophia MTT

Peid Producer Anna Vallarino Art Editor Owen Peyton Jones

Illu

Ma

J. Prod Visual Arts Visual Arts **History** Nok Culture Igbo Ukwu

... uraham,

Goddarg.

J.

Contributo

Reg G ... waish, Douglas Palmer, Philip Parker, Peni ... sally Regan, David Rothery, Carole Stott, Paul Suther and, Chris Woodford, John Woodward

This edition published in 2018
First published in Great Britain in 2013 by
Dorling Kindersley Limited,
80 Strand, London WC2R ORL

Copyright © 2013, 2018 Dorling Kindersley Limited A Penguin Random House Company 10 9 8 7 6 5 4 3 2 003-299766-July/2018

All rights reserved. No part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted, in any form, or by any means (electronic, mechanical, photocopying, recording, or otherwise), without the prior written permission of the copyright owner.

A CIP catalogue record for this book is available from the British Library.

ISBN: 978-0-2412-8731-6

Printed and bound in Dubai

A WORLD OF IDEAS

SEE ALL THERE IS TO KNOW

www.dk.com

CONTENTS







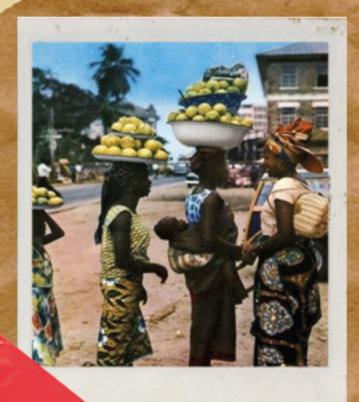
Exploring

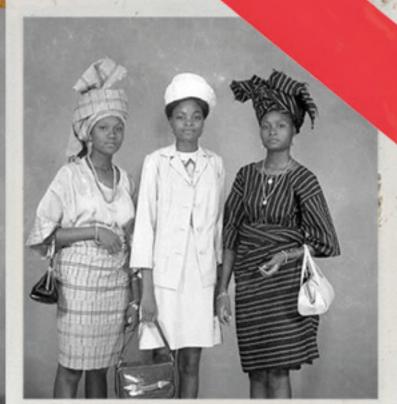
Arise, O

Compatriots!



ne Mus The





1960

The British are coming

Nigeria as a Colony Chistianity spread

Nigerian Independence day

Visual Arts Visual Arts

Nnamdi Azikwe

Obafemi Awolowo

Civil War

The Second Republic

Military Regimes 1983 - 99

Military Regimes 1983 - 99

Visual Arts

Visual Arts

23	
24	

25 **26**

2728

29

30 31

32 33

34

35

36

)6)8

0

2

4

6

8

20

30



322

324

326

328

346 350 359

in ig ma Roi ai wa

- AGE OF D

Voyage to t Ancient Am The Renaiss Shakespear

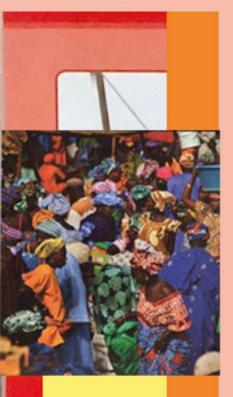
Liections and dovernment	31
All our Presidents	38
Women in Politics	39
1999 Elections	40
President Obasanjo	41
Bakassi Peninsula Dispute	42
2007 Presidential Elections	43
Yar'Adu - Goodluck	44
Visual Arts	45
Visual Arts	46

2011 Elections	47
Buhari	48
2019 Elections	49
End Sars	50

Plant and Animal Life	51
Plant and Animal Life	52

Plant and Animal Life	52
Ethnic Groups	53
Yoruba	54
gbo	55
Hausa - Fulani	56
Religion	57
Religion	58
/isual Arts	59
/isual Arts	60





Geographic Differences	61
North and South	62
Central Region	63
Lagos and Abuja	64
Visual Arts	65
Visual Arts	66
Economy	67
Finance	68
Resources and Power	69
Health	70
Housing	7
Education	72
Visual Arts	73
Visual Arts	74





FE CYCLE

he human life cycle begins as a single cell barely visible to the eye. Programmed by the genes it has inherited, this speck of life divides and multiplies to form a mass of cells, and a new human body begins to grow. We continue growing and developing for around 20 years, by which time we are old enough to have babies ourselves. Like all living things, from the tiniest virus to the tallest trees, human beings strive to create offspring before growing old - a process known as reproduction.

SEXUAL REPRODUCTION

unique. The parents produce special cells called sex cells. Male and female sex cells fuse inside the mother's body to form an embryo. Over the following nine months, in protective environment of the mother's rus, the embryo develops into a baby

REPRODUCTIVE SYSTEM

The parts of the body dedicated to creating babies make up the reproductive system. The male and female reproductive systems are very different. Both produce sex cells, but the female reproductive system must also nourish and protect the growing baby.

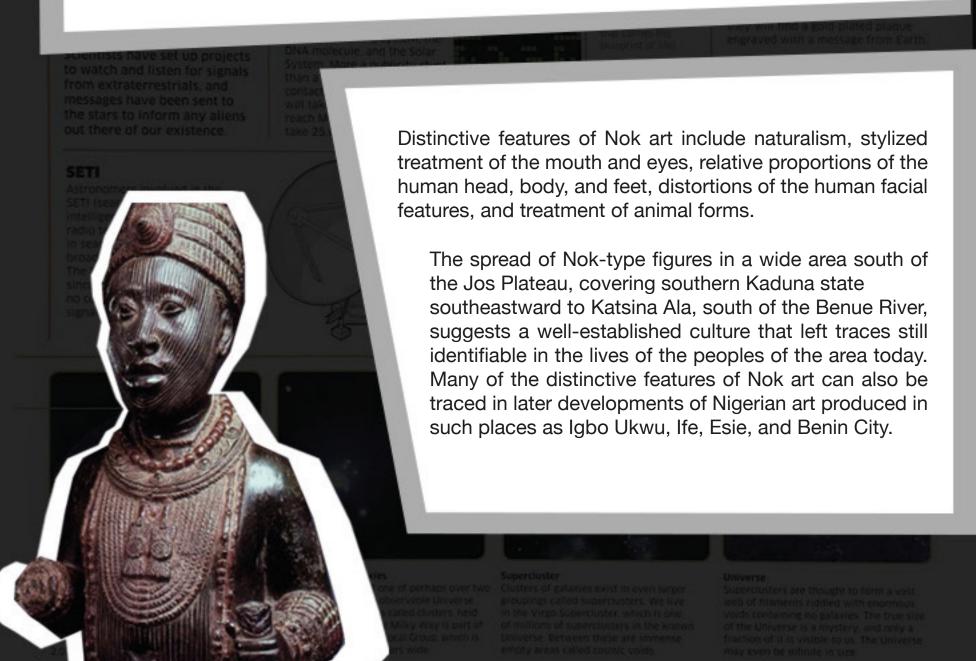
Male reproduction system

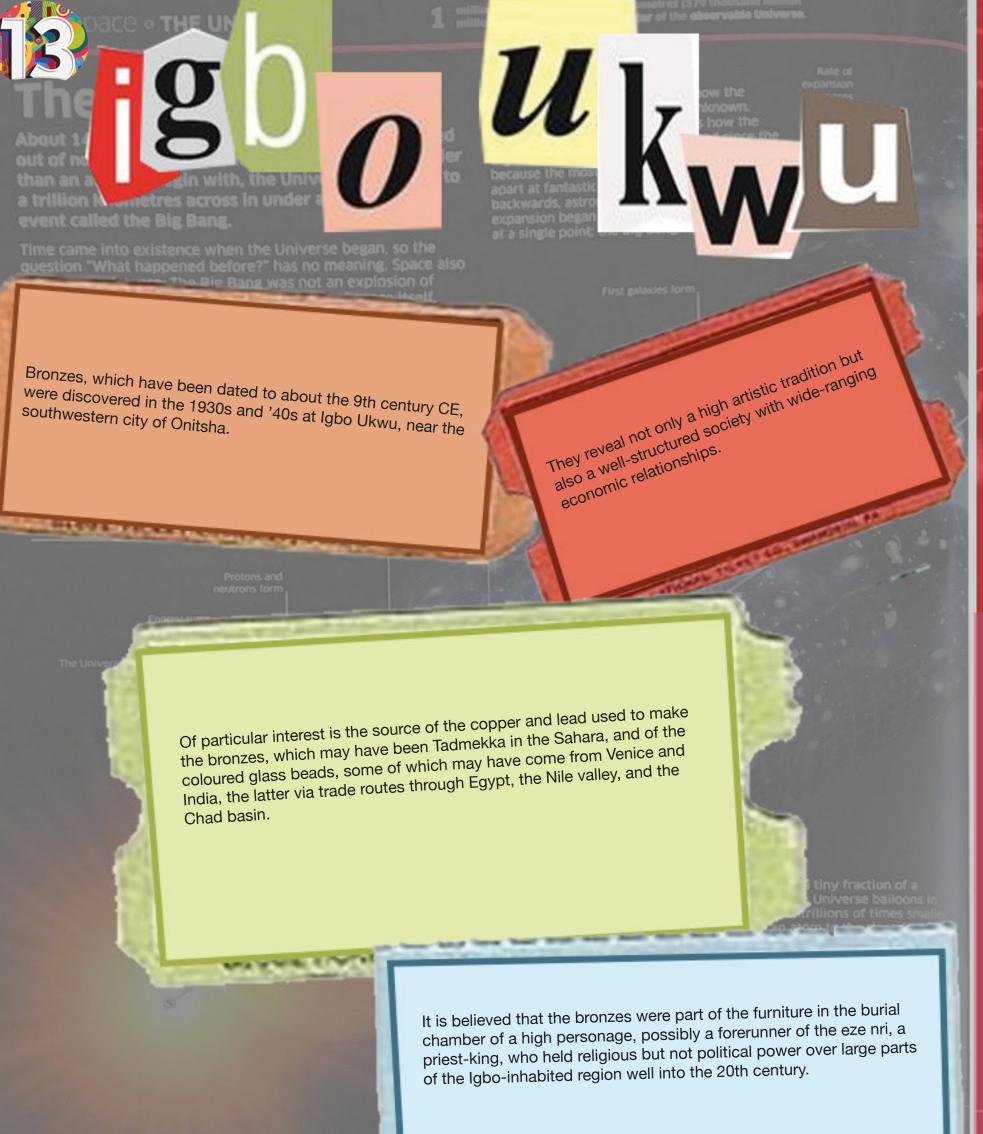






Named for the village of Nok, site of some of the finds, the ancient culture produced fine terra-cotta figurines, which were accidentally discovered by tin miners on the Jos Plateau in the 1930s. Initially Neolithic (New Stone Age), the Nok culture made the transition to the Iron Age. Its people raised crops and cattle and seem to have paid particular attention to personal adornment, especially of the hair.







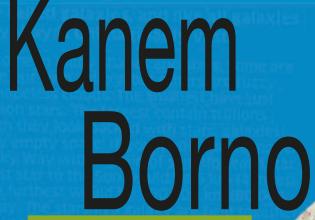
stars

balls of a few

of the

by gra

and disappea

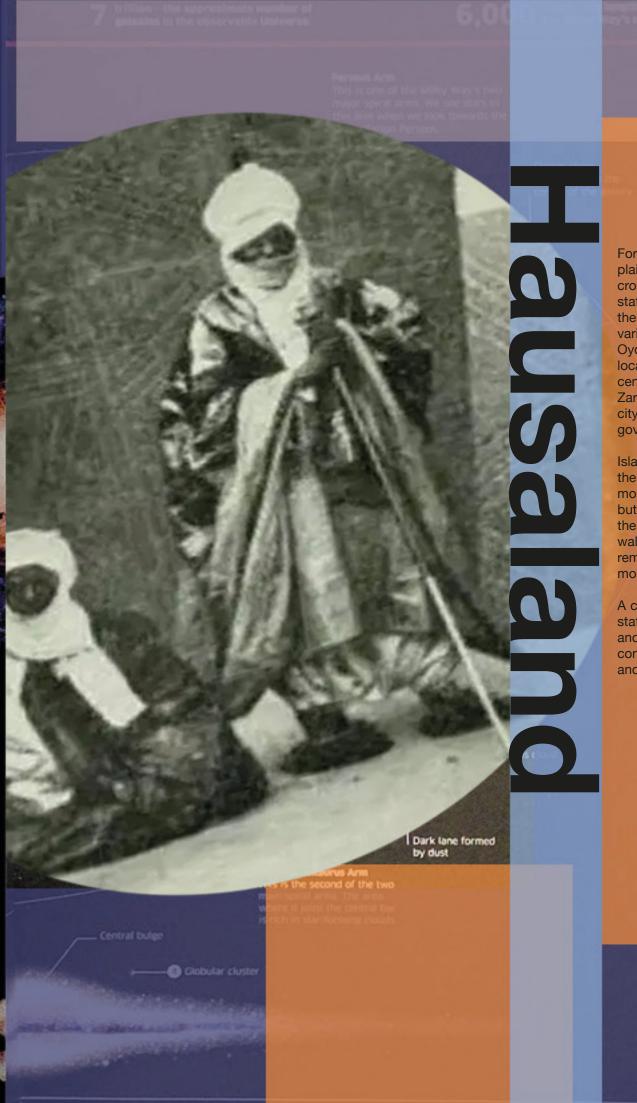


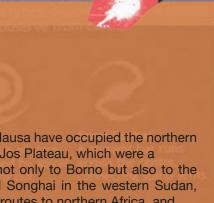
As we view it Milky Way

The history of Borno antedates the 9th century, when Arabic writers in North Africa first noted the kingdom of Kanem, east of Lake Chad. The lake was then much larger than the present-day body of water, and its basin attracted settlements and encouraged exchange. A pastoral group, ancestors of the Kanuri, established a centralized state over those referred to collectively as the Sao. Initially, trading links extended to the Nile valley of Egypt. There is some evidence that Kanem had made contact with the Christian kingdoms of Nubia before it was overrun by Muslims, who gained a foothold in the ruling family of Kanem in the 11th century. From Kanem the rulers tried to dominate the areas south and west of the lake as well. By the 12th century they had been compelled by attacks from the Sao to move their capital to the region west of Lake Chad, and they gradually lost control of most of the original Kanem.

For a long time, Borno was the dominant power in the central Sudan, including much of Hausaland. The Bayajidda legend, concerning a mythical Middle Eastern ancestor of the Hausa, seems to suggest that the rise of a centralized political system in Hausaland was influenced from Borno. Though the rulers of Borno embraced Islam, the structure of the monarchy remained traditional, with the queen mother and other female officials exercising considerable power. The selection of the monarch, the coronation rites, and other bases of royal authority were dictated by pre-Islamic beliefs.

The princes and other members of the royal family were granted fiefs and posted away from the capital to govern frontier zones, while people of slave origin were preferred for the royal guard and palace officials.





For centuries the Hausa have occupied the northern plains beyond the Jos Plateau, which were a crossroads open not only to Borno but also to the states of Mali and Songhai in the western Sudan, the trans-Saharan routes to northern Africa, and various trade routes to the forest areas of Borgu, Oyo, and Benin. Perhaps because of this strategic location, the Hausa developed a number of centralized states—such as Daura, Katsina, Kano, Zaria, Gobir, and, later, Kebbi—each with a walled city, a market centre, and a monarchical system of government.

Islam, which was introduced from the Mali empire in the 14th century, strengthened both the monarchical system and the commercial contacts, but it remained predominantly an urban religion until the beginning of the 19th century. Even within the walled cities, however, some pre-Islamic rites remained part of the ceremonies that sustained monarchical authority.

A considerable rivalry existed between the different states over agricultural land and the control of trade and trade routes, and Hausaland was periodically conquered by powerful neighbours such as Borno and Songhai.



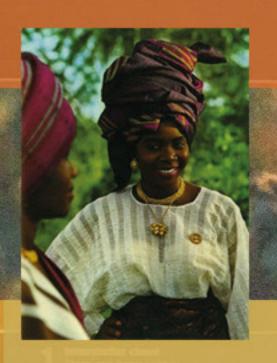
Sometimes galaxies trash and tear each other apart. Individual stars don't collide gas clouds do, and gravity pulls the collid salaxies into new shapes.



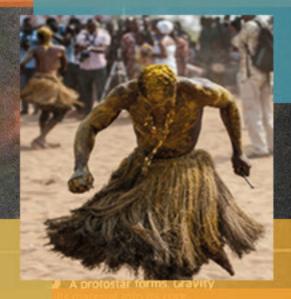
In 4 billion years our galaxy will collide with the Andromeda galaxy. This artist's impression shows what the sky might look like as they merge.

Ife, which flourished between the 11th and 15th centuries, emerged as a major power in the forested areas west of the Niger and south of Hausaland. Some of the characteristic features of Yoruba culture emerged during that time: a monarchical system based on city-states and nucleated villages; a pantheon of gods, a few of which were recognized widely but with several local variations; and divination centred on the deity Ifa, with its corpus of sacred chants. Ife is best known for its potsherd pavements and for the great artistry of its terra-cottas and bronzes, especially the naturalism of many of its bronze figures.

Ife's influence on surrounding states is evident in the fact that all the monarchies of Yoruba states claim descent from Ife as a way of establishing legitimacy, sometimes borrowing regalia from Ife to use in coronation rites and sometimes sending remains of deceased rulers to Ife for burial.







Oyo, founded in the 14th century and located in the savanna to the north of the forest, gradually supplanted the older kingdom of Ife. After more than a century of struggle with nearby Borgu and Nupe, it established itself strategically as the emporium for exchanging goods from the north—rock salt, copper, textiles, leather goods, and horses—with products from the south—kola nuts, indigo, parrots, and cowries.

By the 17th century it had built up a cavalry force with which it dominated people in western Yorubaland and in the dry gap to the coast; to the south, infestations of tsetse flies prevented kingdoms there from effectively utilizing horses.

When the Portuguese arrived in the kingdom of Benin in the 15th century, they found a monarchy, dating back many centuries, with a complex structure of chiefs and palace officials presiding over a kingdom that was expanding in all directions. In time, Benin dominated not only the Edo-speaking peoples to the north and south but also the area eastward to the Niger and, along the coast, to Lagos (which the Edo now claim to have founded) and even into present-day Ghana. It also exerted considerable influence on eastern Yorubaland and maintained trading connections with Oyo.

Benin art, which began to flourish in the 15th century, was characterized by naturalistic bronze sculptures and bronze door panels that covered the outside of the royal palace.



Types
A star be nuclear converted and relectable and the same temperal and the contain, out of fitheir living and the up and the contain and t



ergiants

White

ar begins to share



Classifying
The Hertzs
diagram is a ramous
graph that astronomers
use to classify stars. The
graph plots brightness
against temperature
and reveals that there
are distinct groupings of
stars, such as red glants
(dying stars) and main
sequence stars (ordinary
stars). Astronomers also
classify stars by colour,
which is linked to their
temperature; hot stars
are blue; cooler stars
are orange or red.

tover material

Igboland and the Delta City - States

Many Nigerian peoples did not develop centralized monarchical states. Of these, the Igbo were probably the most remarkable because of the size of their territory and the density of population. The Igbo characteristic decentralized society seems to have been a deliberate departure from the earlier traditions of Nri; monarchical institutions in such outlying cities as Asaba, Onitsha, and Aboh probably arose through the influence of the kingdoms of Igala and Benin.

starts to spin ro winds develop, of gas out from

itars are no red single born in lers from it at roug ame time. I tually, the cluster will ft apart a bout half of stars no bout half of stars no it a third

Plaintes dusts
A handful of the
that make up to
can be seen will
about 250 mill
stars will have
duster will no

nieu in Pawerful Ing jets entre

timed singly - the sail at roughly the stually, the stars ft apart and exion with a close to. Our Sun, like stars nearest to it a third of the stars are in pain.

000 or so stars felades cluster te naked eye. In rears time, the ersed and the Igbo lineages were organized in self-contained villages or federations of village communities, with societies of elders and age grade associations sharing various governmental functions. The same was true of the Ijo of the Niger delta and peoples of the Cross River area, where secret societies also played a prominent role in administration.

Monarchical structures began to emerge by the 18th century in response to the needs of the overseas trade. Initially, Portuguese contacts focused on Benin and Warri. By the 17th and 18th centuries, at the height of the slave trade, the delta city-states had become the principal outlets of that activity. Various coastal communities organized themselves as entrepôts of the slave trade, so that they would not also become its victims. Similarly, the Igbo, like the Benin and Yoruba kingdoms, supplied slaves to the coast, although Benin had largely ended its involvement in the Atlantic slave trade by the 18th century.

The deleterious effect of the slave trade on the society and the economy was felt everywhere, but, in terms of loss of population, those who suffered most appear to have been the noncentralized peoples of the middle belt. The trade also caused severe economic and political dislocations, intercommunal rivalries, and the forced migrations of millions of people out of Nigeria.

SDace . THE UNIVERSE

At the beginning of the 19th century, Islam was well established at all the major centres of the Hausa states and Borno. The etsu (ruler) of Nupe had accepted Islam, and a few teachers and itinerant preachers were also known in parts of the Oyo empire.

A group of Muslim intellectuals, most of them Fulani led by Usman dan Fodio, were unhappy that in all these places the rulers allowed the practice of Islam to be mixed with aspects of traditional religion and that nowhere was Islamic law (the Sharīʿah) observed in full. After 20 years of writing, teaching, and preaching in Gobir and surrounding states, Shehu (meaning "chief" or "senior") Usman (as he was now called) withdrew his followers to Gudu, where they formally proclaimed him amīr al-muʾminīn ("commander of the faithful"), pledged their loyalty, and prepared for war. In 1804 he called on his followers and all lovers of true Islam to rise up and overthrow the unjust rulers. He appealed to the masses of slaves and to the pastoral Fulani as oppressed people to join the revolt.

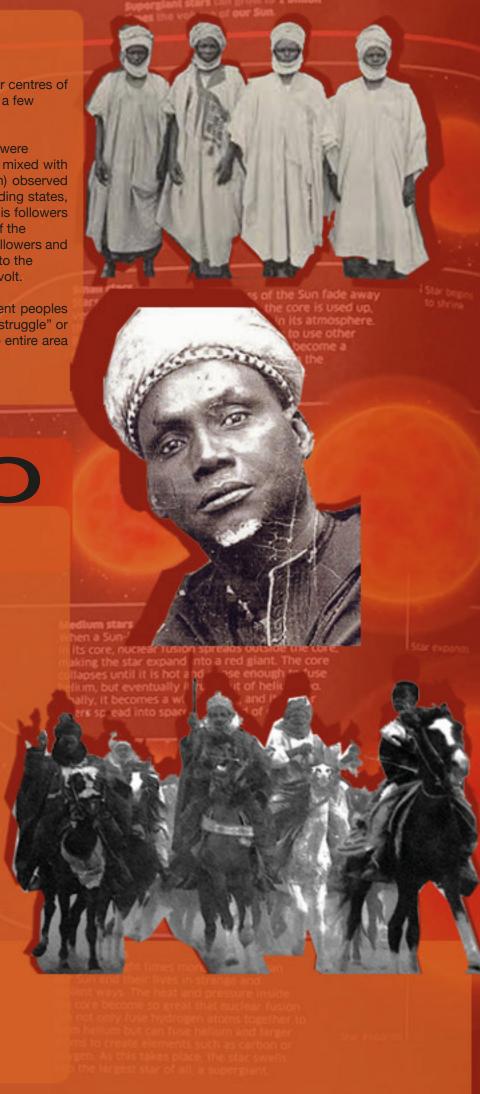
The high degree of communication that existed at this time among the different peoples in the area that would become Nigeria was evidenced when the call to jihad ("struggle" or "battle")—made in Gudu, in the northwest—had repercussions throughout the entire area comprising the present-day country.

The Sokoto Jihad

As a result of the considerable interaction along trade routes and rivers draining the northern plains to the Niger-Benue valley, through the delta, and across the coastal lagoons, the call to jihad was answered not only in the Hausa states, such as Kano, Katsina, and Zaria, but also in Borno, Bauchi, Gombe, and Adamawa and eventually in Nupe, Ilorin, and other places where there were pockets of Fulani scholars. Thus was created a caliphate, with its seat at the newly established town of Sokoto.

Each emirate enjoyed autonomy but pledged loyalty to the amīr al-mu'minīn and made contributions for the upkeep of Sokoto. Disputes within or between emirates were referred to Sokoto for settlement by officials who traveled as often as possible to oversee developments.

Usman himself retired in 1811 to concentrate on the intellectual direction of the movement, which followed the teachings of the Qadiri brotherhood and strict adherence to the Maliki code of laws. His brother Abdullahi and his son Muhammad Bello carried on the jihad and laid the basis of administration. When Usman died in 1817, Muhammad Bello succeeded him as amīr al-muʾminīn, while Abdullahi, as emir of Gwandu, was given charge of the western emirates, notably Nupe and Ilorin. In this way, all the Hausa states, parts of Borno, Nupe, Ilorin, and Fulani outposts in Bauchi and Adamawa were drawn into a single politico-religious system. The rulers of Borno invited Shehu (Sheikh) Muḥammad al-Amīn al-Kānemī, a distinguished scholar and statesman who disagreed with the Fulani view that jihad was an acceptable tool against backsliding Muslims, to lead their defense of Borno against the Fulani jihad. In the process Islam was revived in Borno, and the old Seyfawa dynasty was eventually replaced by that of Shehu Muḥammad al-Kānemī.

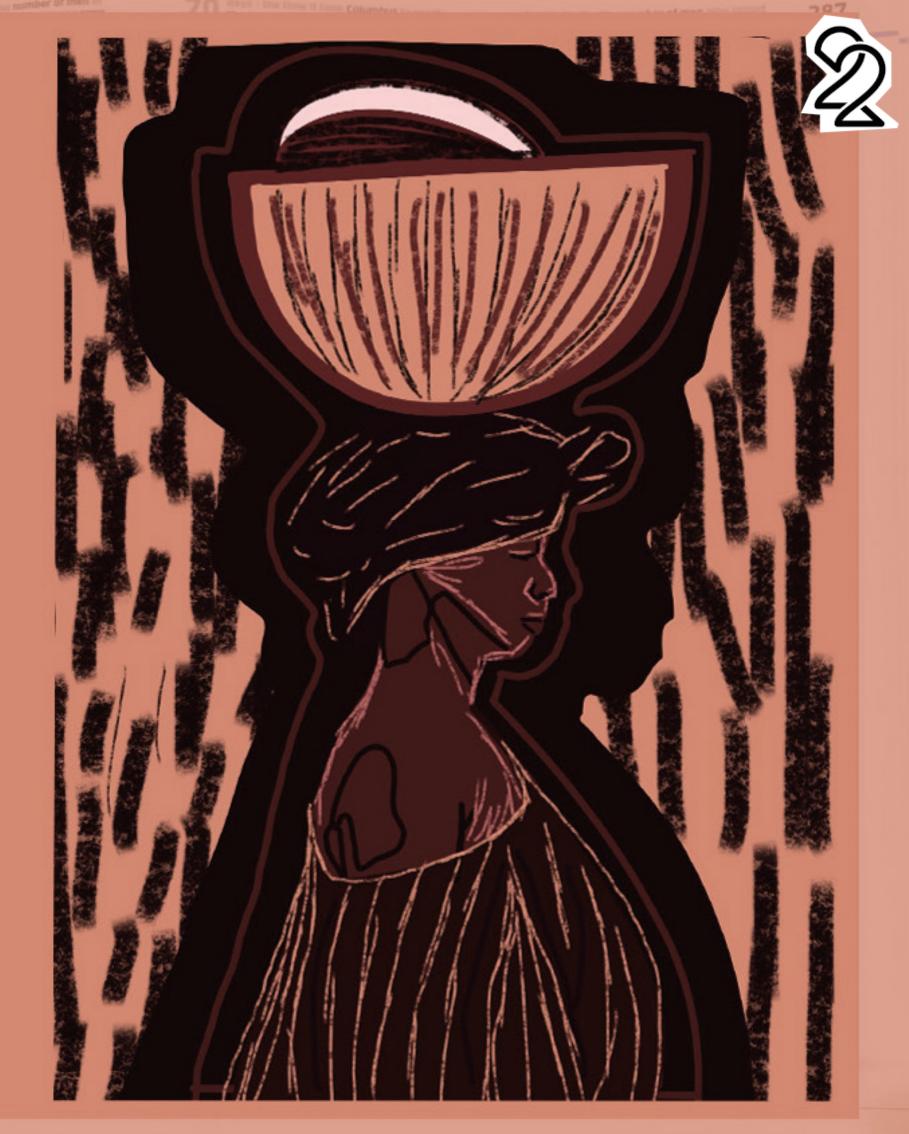




Although the Fulani intrusion into Ilorin largely contributed to the collapse of the Oyo empire, it was not the only cause. Deep-seated conflicts arose between the alafin, or ruler, and his chiefs, including both provincial rulers and lineage chiefs and councillors at the capital. In spite of the external threat from the Fulani and others, the conflicts could not be resolved.

Fulani ascendancy at Ilorin cut off the supply of horses to Oyo and made the defense of the capital untenable. Large groups of people from Oyo had to migrate southward, where they established a new capital (at present-day Oyo) and other centres such as Ibadan and Ijaye. This pressure, in turn, pushed the Egba farther south, where they founded the town of Abeokuta about 1830. The collapse of the Oyo empire unleashed a major redistribution of the Yoruba people and precipitated a series of Yoruba wars that lasted until 1886.

The Collapse of Oyo





The Sokoto jihad and the Yoruba wars stimulated the slave trade at a time when the British were actively trying to stop it. Slaves formerly had been traded for European goods, especially guns and gunpowder, but now the British encouraged trade in palm oil in the Niger delta states, ostensibly to replace the trade in slaves.

They later discovered that the demand for palm oil was in fact stimulating an internal slave trade, because slaves were largely responsible for collecting palm fruits, manufacturing palm oil, and transporting it to the coast, whether by canoe or by human porterage. The palm oil trade was also linked to the Sokoto jihad and the Yoruba wars, because many warriors recognized the importance of slaves not only as soldiers and producers of food to feed soldiers but additionally as producers of palm oil to trade for European dane guns and other goods.

Many of the slaves exported in the 1820s and '30s were intercepted by the ships of the Royal Navy, emancipated, and deposited in Sierra Leone under missionary tutelage. Some of them began to migrate back from Sierra Leone in search of home and trade. They invited missionaries to follow them and, in the 1840s, made themselves available as agents who allowed missionaries and British traders to gain access to such places as Lagos, Abeokuta, Calabar, Lokoja, Onitsha, Brass, and Bonny. In 1841 the British tried to settle some Egba on a model farm in Lokoja, but the plan was aborted because the mortality rate among European officials was so high. It was also partly to protect the Egba that the British shelled Lagos in 1851, expelled Kosoko, the reigning oba, and restored his uncle, Akitoye, who appeared more willing to join in a campaign to abolish the slave trade. The British annexed Lagos in 1861 in order to protect Akitoye's son and successor, foil Kosoko's bid to return, and secure a base for further activities.

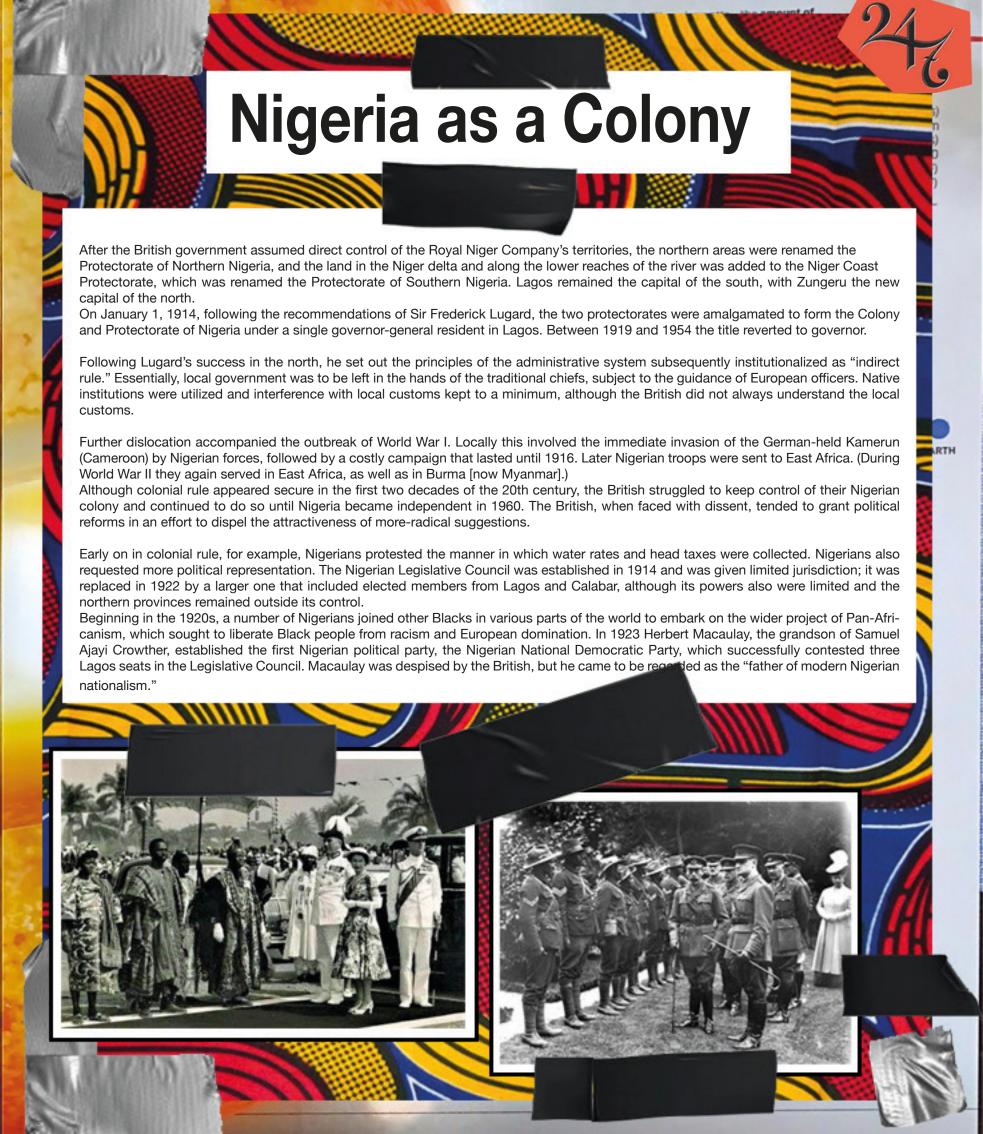
The British were not yet willing to assume the expense of maintaining an administration in Nigeria. To reduce costs, Lagos was administered first from Freetown in Sierra Leone, along with Gold Coast forts such as Elmina, and later from Accra (in present-day Ghana); only in 1886 did Lagos become a separate colony. A consul was maintained at Fernando Po to oversee the lucrative palm oil trade in the region called the Oil Rivers. Missionaries were active: Presbyterians in Calabar and the Church Missionary Society (CMS), Methodists, and Baptists in Lagos, Abeokuta, Ibadan, Oyo, and Ogbomoso. The CMS pioneered trade on the Niger by encouraging Scottish explorer and merchant Macgregor Laird to run a monthly steamboat, which provided transportation for missionary agents and Sierra Leonean traders going up the Niger.

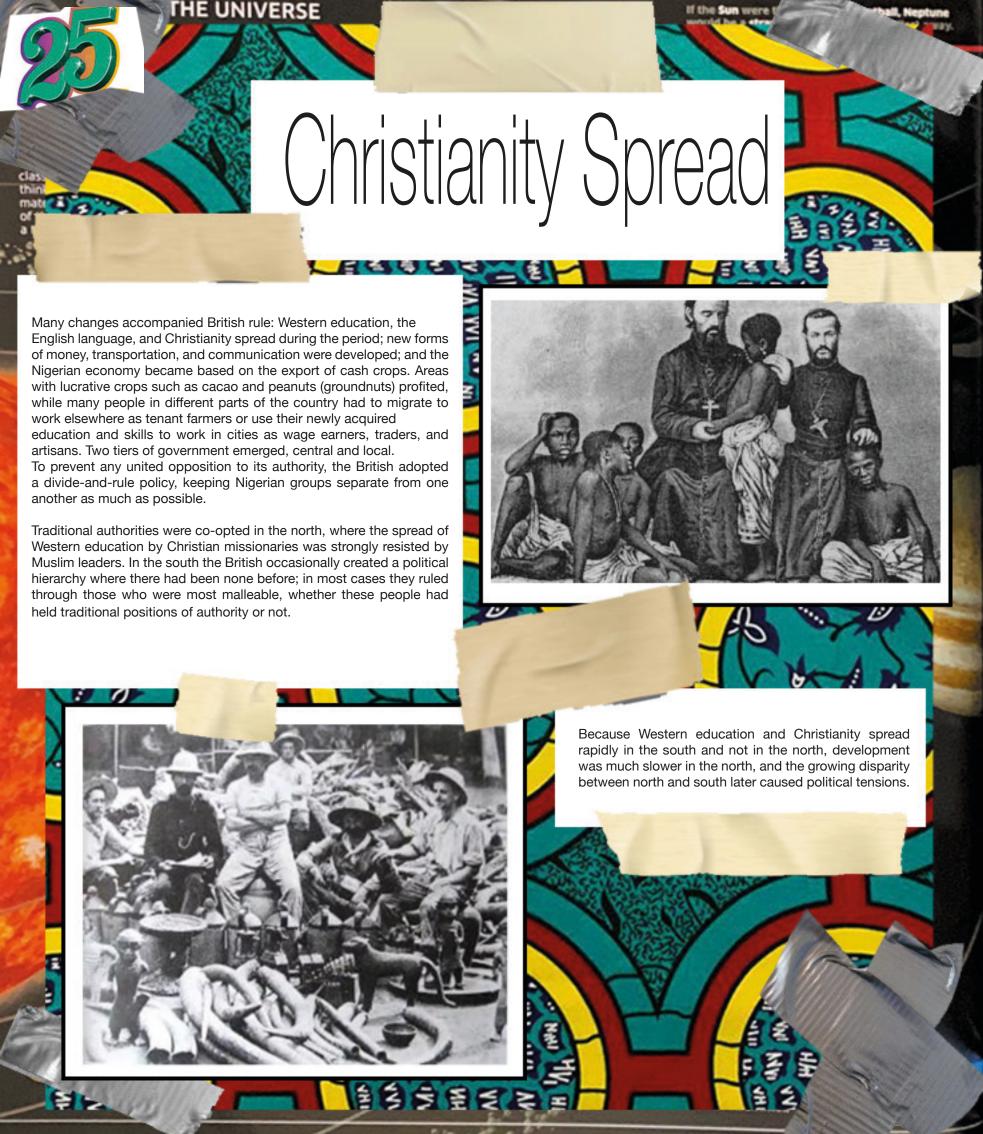
Rivalry between the Royal Niger Company and the Lagos Protectorate over the boundary between the emirate of Ilorin and the empire of Ibadan was resolved with the abrogation of the charter of the Royal Niger Company on January 1, 1900, in return for wide mineral concessions.

In the north Frederick Lugard, the first high commissioner of Northern Nigeria, was instrumental in subjugating the Fulani emirs. Some were deposed, some were defeated in battle, and others collaborated. By 1903 the conquest of the emirates was complete. The mud-walled city of Kano was captured in February, and, after a vigorous skirmish at Kotorkwashi, the sultan's capital, Sokoto, fell the next month. All the territories were now under British control, and the search for an identity began, first as Northern and Southern Nigeria and then with eventual amalgamation.

The British penetration of Nigeria met with various forms of resistance throughout the country. In the south the British had to fight many wars, in particular the wars against the liebu (a Yoruba group) in 1892, the Aro of eastern Igboland, and, until 1914, the Aniocha of western Igboland. In the north many emirates did not take military action, but the deposed caliph, Atahiru I, rebelled in 1903.

Resistance was strong in western Igboland, where a series of wars were waged against the British. The Ekumeku, who were well organized and whose leaders were joined in secrecy oaths, effectively utilized guerrilla tactics to attack the British. Their forces, which were drawn from hundreds of Igbo youth from all parts of the region, created many problems for the British, but the British used forceful tactics and heavy armaments (destroying homes, farms, and roads) to prevail. The Ekumeku, however, became a great source of Igbo nationalism.





VIPTAG

Nigerian Independence



Nigeria was granted independence on October 1, 1960. A new constitution established a federal system with an elected prime minister and a ceremonial head of state. The NCNC, now headed by Azikiwe (who had taken control after Macaulay's death in 1946), formed a coalition with Balewa's NPC after neither party won a majority in the 1959 elections. Balewa continued to serve as the prime minister, a position he had held since 1957, while Azikiwe took the largely ceremonial position of president of the Senate.

Following a UN-supervised referendum, the northern part of the Trust Territory of the Cameroons joined the Northern region in June 1961, while in October the Southern Cameroons united with Cameroun to form the Federal Republic of Cameroon. On October 1, 1963, Nigeria became a republic. Azikiwe became president of the country, although as prime minister Balewa was still more powerful.

THE OF THE SHEARSET THROST MICHOT MIGHT CHE MODEL HAS DEED THE CHYCATED ACCOUNT AND CONTROL OF HIS CONTROL OF H

THERE

TOTAL OF THE CO. THE C

urgers tenatil
ut elabendere
publicorum dium.
Habi festris sa
inerditil hucia
cleribus, ingulum
putabus. Movivastus
sultum publiciam
adenatiquem iss am ad aute deponsum
consula nonsu mandam. Mula vis. Mula
re te dem ta, di pere pon dit, quius

mori in venamendius sa silico et atatie

tum mactum ise castre hos occhus; es.

nostrum sula rei se in in ducidetis.

Edis quidit rerspel igenis ipistisquust autem faceperibus exces doluptis et ulligni bilinsam, ut ate non rem a all a que cus, etur quas a quidis rrupos REALISEI
magnistias ABSOLL
quod et fugita
eossimist.

Tibust, tempor reroris
vid quatur? Danditatem. Co.
nitem faccuptatest etur aliam ac
delitem iumenisquia non expero
ullaboreiur aliquas sinctinum labo
temporepedis es rectum eaquam quid
qui quo et officius.

Tia vent restotas nonsequas acepere cepero mincte aute nimi, aut alibeatem harum sa volorem net lab inition com Anim ex earum volessi imporiorerum eicit aspidel itiaest repe nam eiunt, corum, omnimus ex excepta tionsed quam illorestrum volu peamenessed axima volorem net lab inition cum tient, corum, omnim.

ea nake







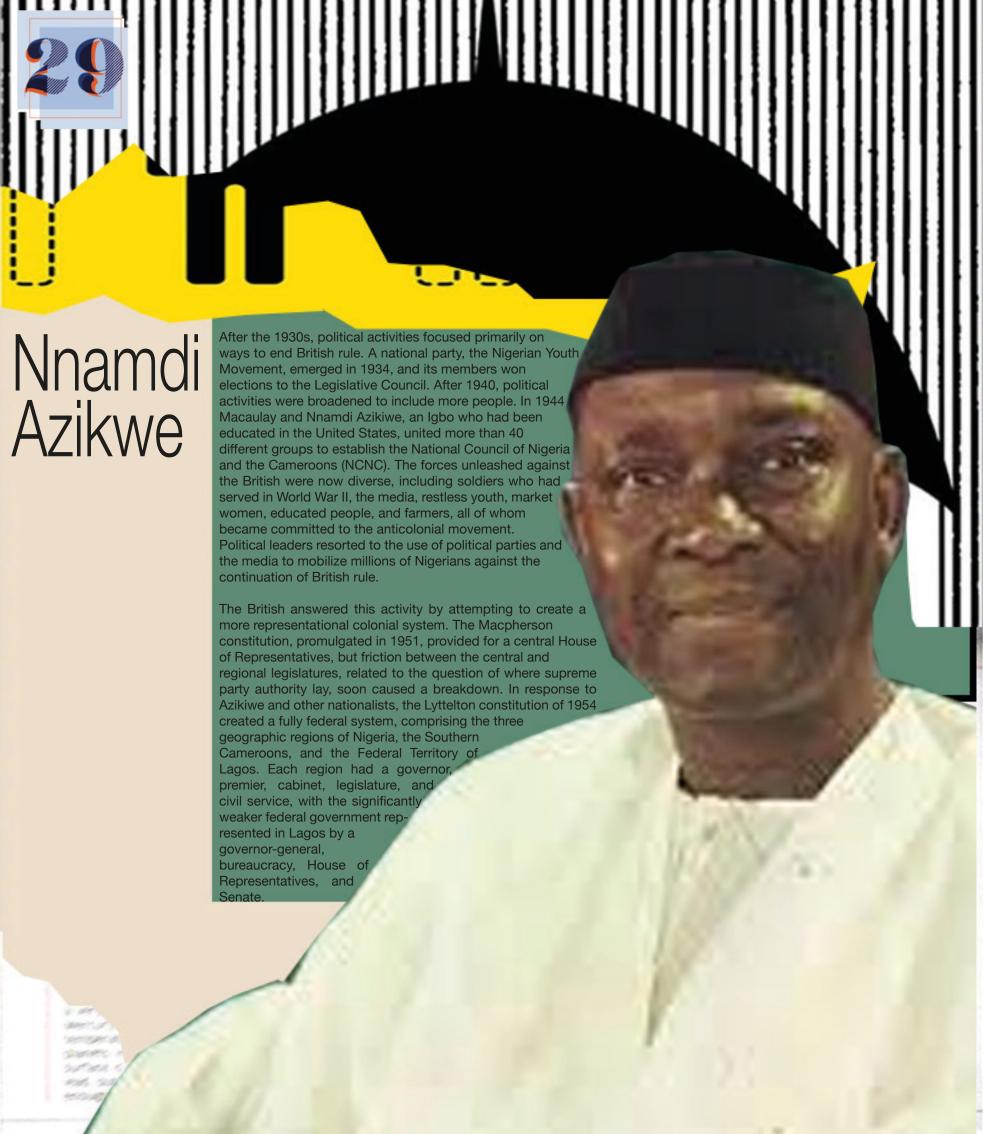
THE SOL

Electric trains take electricity from overhead power lines. When they slow down, their

Big cities

Cities consume more electric towns or villages, but use a efficiently Less electronic because built travel me and of

ries use than home sce machines, ies need But there



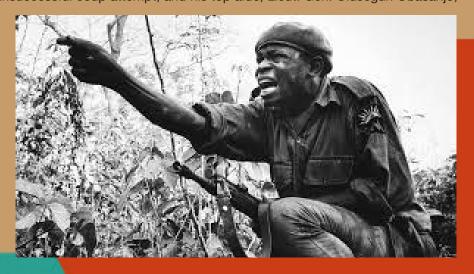


Civil War

On May 30, 1967, Ojukwu declared the secession of the three states of the Eastern region under the name of the Republic of Biafra, which the federal government interpreted as an act of rebellion. Fighting broke out in early July and within weeks had escalated into a full-scale civil war. In August Biafran troops crossed the Niger, seized Benin City, and were well on their way to Lagos before they were checked at Ore, a small town in Western state (now Ondo state). Shortly thereafter, federal troops entered Enugu, the provisional capital of Biafra, and penetrated the Igbo heartland. The next two years were marked by stiff resistance in the shrinking Biafran enclave and by heavy casualties among civilians as well as in both armies, all set within what threatened to be a military stalemate. Peacemaking attempts by the Organization of African Unity (now the African Union) remained ineffective, while Biafra began earning recognition from African states and securing aid from international organizations for what was by then a starving population. The final Biafran collapse began on December 24, 1969, when federal troops launched a massive effort at a time when Biafra was short on ammunition, its people were desperate for food, and its leaders controlled only one-sixth of the territory that had formed the Biafran republic in 1967. Ojukwu fled to Côte d'Ivoire on January 11, 1970, and a Biafran deputation formally surrendered in Lagos four days later.

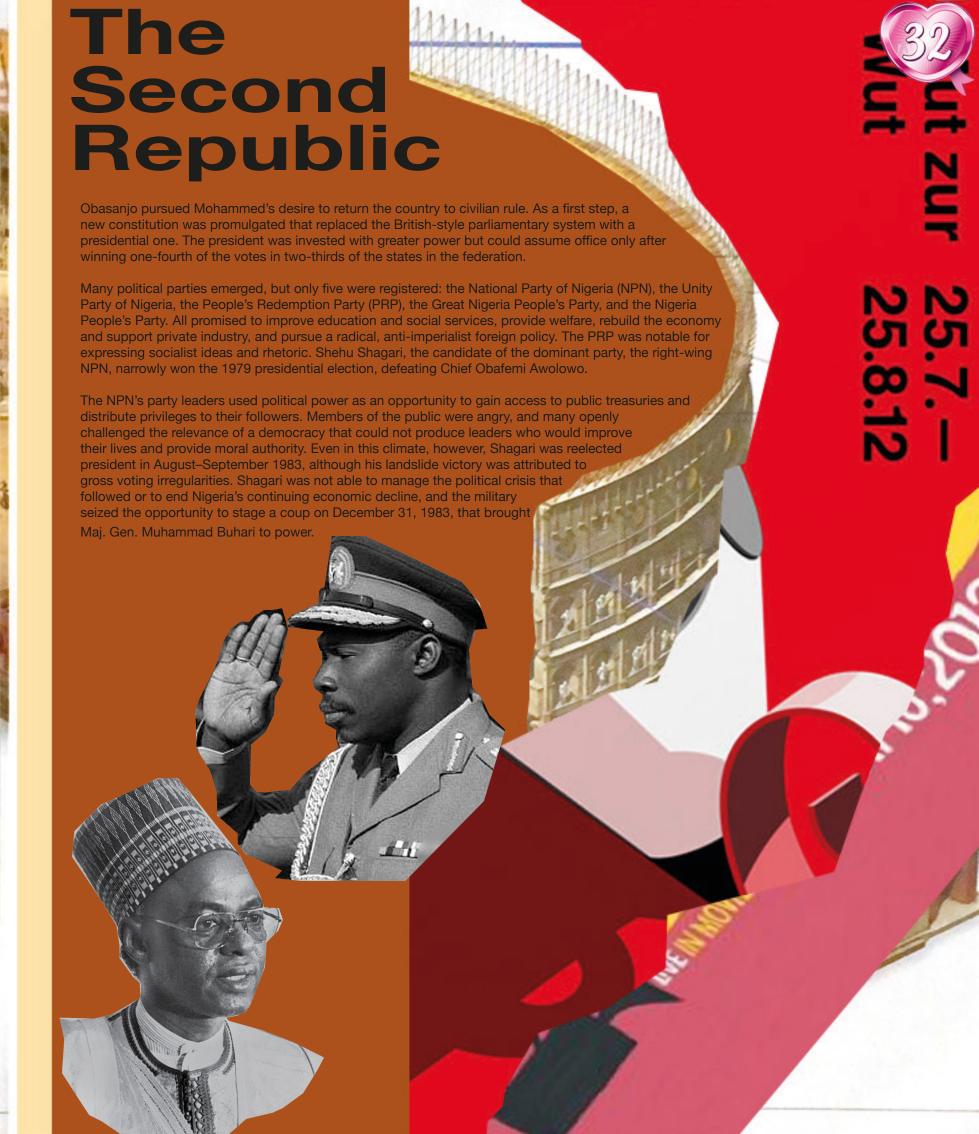
General Gowon was able, through his own personal magnetism, to reconcile the two sides so that the former Biafran states were integrated into the country once again and were not blamed for the war. The oil boom that followed the war allowed the federal government to finance development programs and consolidate its power. In 1974 Gowon postponed until 1976 the target date for a return to civilian rule, but he was overthrown in July 1975 and fled to Great Britain. The new head of state, Brig. Gen. Murtala Ramat Mohammed, initiated many changes during his brief time in office: he began the process of moving the federal capital to Abuja, addressed the issue of government inefficiency, and, most important, initiated the process for a return to civilian rule. He was assassinated in February 1976 during an unsuccessful coup attempt, and his top aide, Lieut. Gen. Olusegun Obasanjo,

became head of the government.



IT THE GOLISECRET SOCIETY

had no rights and had to obey their masters. They were brought up to the surface in lifts and released into the arena through trapdoors.





Military Regimes 1983 - 99

Buhari justified his coup and subsequent actions by citing the troubles of the Second Republic and the declining economy. The regime declared a "War Against Indiscipline" (WAI), which resulted in the arrest,

detention, and jailing of a number of politicians. When the WAI was extended to journalists and others not responsible for the social decay and economic problems, the government's popularity began to wane. Gen. Ibrahim Babangida assumed power following a bloodless coup in August 1985.

Babangida at first presented to the public and the media the image of an affectionate and considerate leader. He released political detainees and promised that public opinion would influence his decisions and those of the Armed Forces Ruling Council, the supreme governing body. The public, however, demanded an end to military rule. Babangida outwardly supported a return to civilian government but worked to undermine the process in order to retain power.

A transition program was announced in 1986 that was to terminate in 1990 (later extended to 1993), and the military controlled the process. The government created two political parties, the Social Democratic Party (SDP) and the

National Republican Convention (NRC), and produced their agendas for them; freely formed parties were not registered, and many politicians were banned from politics. The 1979 constitution was modified by a Constituent Assembly, and a series of elections were then held for local government councillors, state governors, and legislatures.

Although Babangida voided presidential primary elections held in 1992, and all the candidates were banned from politics, a presidential election was slated for June 1993 between two pro-government candidates:

Chief M.K.O. Abiola of the SDP and Alhaji Bashir Tofa of the NRC. The Babangida government believed that the elections would never take place and felt that, even if they did, the north-south divide would lead to a stalemate, as Abiola came from the south and Tofa from the north. Contrary to government expectation, however, the election was held on schedule, and it was free, fair, and peaceful. Chief Abiola won, but Babangida annulled the results before they became official. This turned out to be a serious miscalculation that forced him out of power in August 1993, and an Interim National Government (ING) was instituted, led by Yoruba businessman Ernest Shonekan. The ING faced opposition from all sides, and Gen. Sani Abacha, the defense minister under Babangida, overthrew it in November, reinstating military rule. Like Babangida, he promised a transition to civilian rule while pursuing the means to maintain power, but, unlike Babangida, he used excessive force to attain his ambition.

If the political future of Nigeria appeared bright with the victory of Chief Abiola in June 1993, Abacha's seizure of power and subsequent rule reversed most of the gains that the country had made since 1960. At no time since the mid-1960s did so many question the existence of Nigeria as a political entity. When leading politicians did not call for the breakup of the country, they advocated a confederacy with a weakened centre and even a divided army and police force. Opposition forces called for a national conference to renegotiate the basis of Nigerian unity. The country's international image was damaged, as it suffered serious condemnation and isolation.

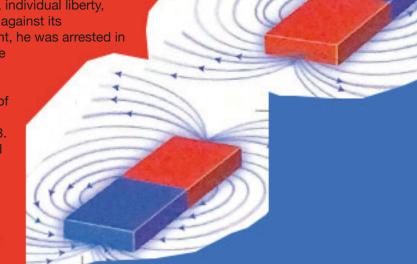
The Abacha regime ignored due process of law, press freedom, individual liberty, and human rights. The government used violence as a weapon against its opponents and critics; when Abiola proclaimed himself president, he was arrested in June 1994 and died in jail in 1998. Trade union movements were

June 1994 and died in jail in 1998. Trade union movements were suspended and protesters were killed, yet opposition to the government, particularly outside of the country, did not abate. Abacha and his loyalists again used the state as an instrument of personal gain. The decisive turning point in military disengagement came with Abacha's sudden death in June 1998.

disengagement came with Abacha's sudden death in June 1998 Gen. Abdulsalam Abubakar, appointed to replace him, promised to transfer power to civilians. He freed political prisoners, ended the harassment of political

opponents, and set forth a timetable for the transition to civilian rule.

The country's international image improved, but economic performance remained sluggish.

















Iwin Series - Susanne Wenger







Elections and Government

gnetism

find their ompasses have long s pigeons. ng Earth's magnetite ust above help them te course.



residents

ield around a wire

lectric current surges throu s rings of magnetic field li You can see this by placing a carrying a current. The bi_ e stronger the magnetism.

STRENGTH C.

RY WEAK. A TYPICAL

DGE MAGNET

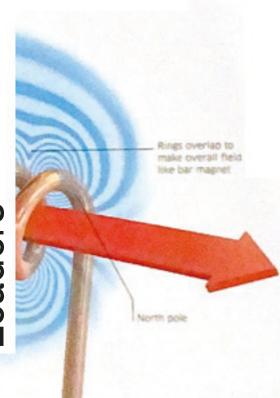
D TIMES STRONGER.

Elections

Electric current flows through wire

Magnetic field around a coiled wire

When a current flows through a coiled wire. it creates a more complex magnetic field. Each loop makes a field like a single wire and these fields combine, making an overall field pattern similar to one from a bar magnet.

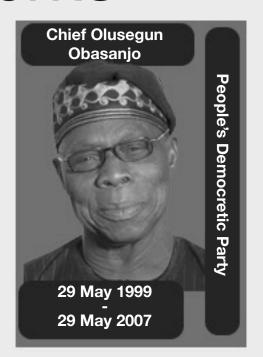


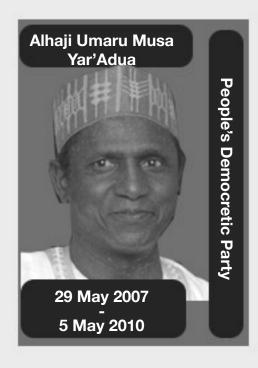
All Our Presidents















make electricity, our m

efore the first electric powi eople had to make energy I pal, which was often dirty a ectricity generation solved a made in one place, then s lometres down wires to wf in only provide heating, wi

ut electricity can be used in many differen eating, lighting, and powering motors that om tiny electric toothbrushes to huge elec

rgy. 1 1882. d and :ale general :ould to boil wood steam, machin les. ning they convert n

fuels to turbines turn g like electric mo

into electrical compar

ng used is of ike ich are rgy

energy in nes useful

electricity. The rest is lost during generation and in the power lines that carry the electricity to its destination. Transmitting power at a very high voltage helps to cut energy losses. Substations along the route reduce the voltage back to low levels.



Women in Politics

Women have participated in the government since the colonial period, especially in the south. Their political strength is rooted in the precolonial traditions among particular ethnic groups, such as the Igbo, which gave women the power to correct excessive male behaviour (known as "sitting on a man"). Igbo women, showing their strength, rioted in 1929 when they believed colonial officials were going to levy taxes on women. Yoruba market women exercised significant economic power,

controlling the markets in such Yoruba cities as Lagos and Ibadan.

Some ethnic groups, such as the Edo who constituted the kingdom of Benin, also gave important political power to women; the mother of the oba (king) played an important part in the precolonial state. Women such as Funmilayo Ransome-Kuti (the mother of the musician Fela and human rights activist and physician Beko) actively participated in the colonial struggle, and several women have held ministerial positions in the government.

Although Nigerian women may wield influence and political power, particularly at the familial and local level, this has not always been reflected at the federal level: in the early 21st century, women made up about 5 percent of the House of Representatives and the Senate.



nachine is need ty But

nachines, is need ty But there s in total. is, and factorie

each use just under a third of the total electricity produced Precolonial

Railway
Electric t
from ove
When th
brakes fi
the pow
westing

Powe

Senate

es polluti m of glowill eve power i anium n vill run o er), and s and are i n" energ

WORL

Gre Burr

which

wari

run i

foss

from

Win

pow

rene

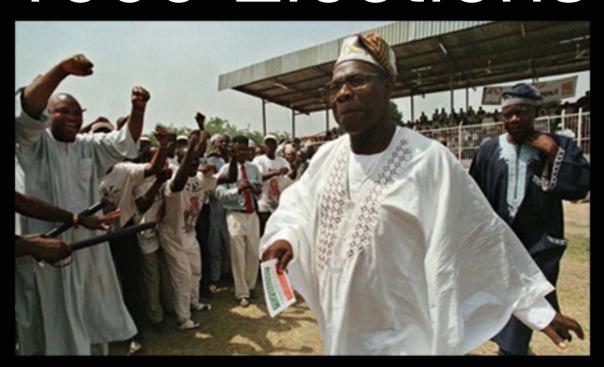
LESS

electricity than use it more city is wasted closer and peop by electric train port.

tricity the ough to po

49

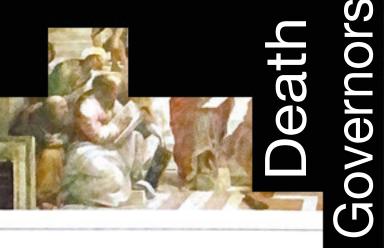
1999 Elections



After Abacha's death, political activity blossomed as numerous parties were formed. Of these, three emerged that were able to contest elections: the People's Democratic Party (PDP), the Alliance for Democracy, and the All People's Party. A series of elections were held in January–March 1999 in which councillors for local governments, legislatures for state and federal assemblies, and state governors were selected. The presidential election took place in February and was carefully monitored by an international team of observers. Olusegun Obasanjo of the PDP, who as head of state in 1976–79 had overseen the last transition from military rule, was declared the winner.

Winner









President Obasanjo

Obasanjo was sworn in on May 29, 1999. A new constitution was also promulgated that month. Nigerians, tired of prolonged and crisis-prone military regimes, welcomed the change of government, as did the international community. In the first civilian-administered elections since the country achieved independence in 1960, Obasanjo was reelected in 2003, although there were widespread reports of voting irregularities.

Although conditions in Nigeria were generally improved under Obasanjo, there was still considerable strife within the country. Ethnic conflict - previously kept in check during the periods of military rule-now erupted in various parts of Nigeria, and friction increased between Muslims and Christians when some of the northern and central states chose to adopt Islamic law (the Shari ah). Demonstrations were held to protest the government's oil policies and high fuel prices.

Their protests evolved into coordinated militant action in 2006. Petroleum companies were targeted: their employees were kidnapped, and refineries and pipelines were damaged as militants attempted to disrupt oil production and inflict economic loss. The Movement for the Emancipation of the Niger Delta (MEND) was the most active of such militant groups, although its activity decreased after the group declared a unilateral ceasefire, and the government introduced an amnesty program in 2009.



by dissecting bodies of dead criminals.

of the greatest painters and sance. His sculpture of David s regarded as one of the most ever carved in marble

helangel optors of

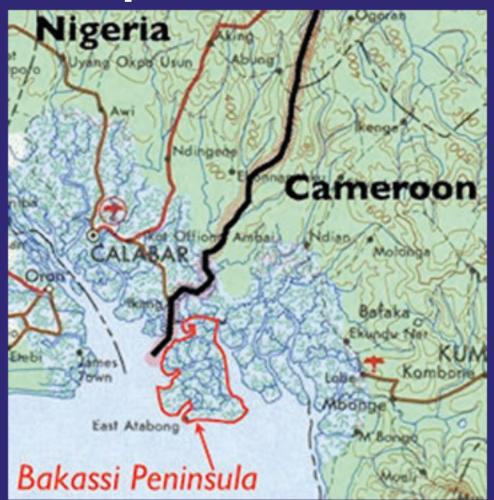
Cameroo

Obasanjo was also faced with resolving an ongoing border dispute with neighbouring Cameroon that included the question of which country had rights to the Bakassi Peninsula, an oil-rich area to which both countries had strong cultural ties. Under the terms of a 2002 International Court of Justice ruling, the region was awarded to Cameroon, and Obasanjo was criticized by the international community when Nigeria did not immediately comply by withdrawing its troops from the area in the subsequent years.

Nevertheless, Obasanjo eventually honoured the terms of the ruling in 2006 when Nigeria relinquished its claim to the peninsula and withdrew its forces.

The process of transferring the peninsula to Cameroon was not without its problems, including the ongoing issue of resettling Nigerians displaced by the transfer and the dissatisfaction of those who remained but were now under Cameroonian rule. In November 2007 Nigeria's Senate voted to void the agreement that had ceded the Bakassi Peninsula to Cameroon. However, this action did not affect the actual status of the peninsula, and a ceremony held on August 14, 2008, marked the completion of the peninsula's transfer from Nigeria to Cameroon.

Dispute



Completion

Void



2007 Presidential

Meanwhile, Obasanjo was the subject of domestic and international criticism for his attempt to amend the constitution to allow him to stand for a third term as president; the proposed amendment was rejected by the Senate in 2006. With Obasanjo unable to contest the election, Umaru Musa Yar'Adua was selected to stand as the PDP's candidate in the April 2007 presidential poll.

He was declared the winner, but international observers strongly condemned the election as being marred by voting irregularities and fraud. Nonetheless, Yar'Adua was sworn in as president on May 29, 2007.

ection

Code

detaile laws in punish

"BRI OF RI DES AND STR

r people to resolv The Baby detailed CE, with b were brok UT THE RU ESS IN THE L HE WICK DERS, SO THAT JLD NOT HA

ABI'S CODE OF

ZIGGURAT

on d between

iings pires ofter

great mo

e great E

thought

- that's Liberty

dwarfed

which re

as the tall than 3.70

to demon

As emp and pri Hamm

Condemded

Obasanjo

Arabia

spacecraft angerous fo d into spac ast distance e years to r e various t ted to a par

PACECRAFT cecraft obser ASA's famou

2 flew past si

flies around elenty of time ave visited ccept Uranus

EHICLE

km (60 m d takes les n a rocket. takes tren of Earth's to make t st of their

t rocket

astronauts e largest ro rival, the h imes but ea saster.



e spacefligh quator can ets there an th's spin



OR LAUNCH

Yar'Adua's health was the subject of rumours, as he had traveled abroad for medical treatment several times in the years prior to his presidency and continued to do so after the election. His ability to serve as president while dealing with health issues was called into question after he went to Saudi Arabia in late November 2009 for treatment of heart problems and kidney problems.

PLORATION

anets have fa es, but it wasr

ing space beca

have sent as

After he had been absent from Nigeria for several weeks, critics complained of a power vacuum in the country, and there were calls for Yar'Adua to formally transfer power to the vice president, Goodluck Jonathan. Although a ruling by a Nigerian court on January 29, 2010, indicated that Yar'Adua was not obligated to hand over power to the vice president while he was out of the country for medical treatment, the controversy surrounding his prolonged absence remained. On February 9, 2010, the National Assembly voted to have Jonathan assume full power and serve as acting president until Yar'Adua was able to resume his duties. Jonathan agreed and assumed power later that day, but it was unclear whether or not the assumption of power was constitutional. When Yar'Adua returned to Nigeria on February 24, 2010, it was announced that Jonathan would remain as acting president while Yar'Adua continued to recuperate.

president the following day. Jonathan's priorities for the rest of his term included tackling corruption, dealing with the country's energy problems, and continuing his involvement in peace negotiations with







RGY

How sound travels

If you have a drum, its skin vibrates, shaking the air molecules around it



Rufus





Ogundele

al

ssion instruments make sounds when you hit Their sound waves are more like a short burst dom noise (white noise) than the precise wave of a tuning fork.





Irregularities

c PROBE
aft enters
resphere. The
of the Galile
nto Jupiter';
2005

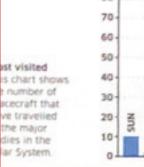
touch down
of another
Viking 1
it craft to
ind on Mars.

year

ormer

olar System mission

little more than 50 years, a irth's orbit and headed off t an half the missions have b space: the Moon and the pl



cecraft have lef olar System. Mo nearest neighbo Venus.

STEROIDS PITER RN SS

Jontroversy



SSR)



Another area of focus cited by Jonathan was the reformation of the electoral process. Noting the irregularities associated with the 2007 presidential election, he vowed to make fair and transparent elections a priority, beginning with those scheduled for 2011. Voting in Nigeria's legislative elections began on April 2, 2011, but, because necessary electoral materials were not available in some areas, voting was halted and postponed until April 9 (April 26 in some locations). As a result, the presidential election that was scheduled for April 9 was delayed until April 16. Jonathan was the overwhelming winner of the presidential election, receiving almost 59 percent of the vote among a field of 19 other challengers.

Former military leader and head of state Muhammadu Buhari placed second, with about 32 percent of the vote. In other elections, the PDP did not fare as well as in previous years, but it managed to maintain control of the legislature and a majority of state governorship posts. International observers praised the elections as being largely free and fair. The polls were not completely without violence or controversy, however, as supporters of Buhari and other losing candidates rioted, primarily in the north, and accused the ruling PDP of electoral fraud.



Elections

ACN



The government's inability to eliminate the threat from Boko Haram was one of the key issues in the run-up to the 2015 presidential and legislative elections, along with the economy and the persistent complaint of corruption. Economic progress was mixed: Nigeria's economy grew to be the continent's largest in 2014, but the oil-reliant economy also experienced sharp decline later that year because of plunging oil prices on the world market.

Jonathan, who had been criticized along with the military for not doing enough to combat Boko Haram, accepted assistance from the neighbouring countries of Benin. Cameroon, Chad, and Niger. Plans were made for a regional force comprising troops from Nigeria and the aforementioned countries, and an offensive was launched against the militants. Marked progress was made in the fight against Boko Haram, with forces retaking much of the area previously held by the group.

Although there were 14 candidates standing in the March 28, 2015, presidential election, the real contest was seen as being between Jonathan, once again the PDP candidate, and Buhari, the former military head of state (1984–85) who was the All Progressives Congress (APC) candidate and enjoyed a reputation as being tough on corruption and adept at handling security issues. The election was the most closely contested ever in Nigeria. When it became clear that Buhari had won the election, Jonathan conceded. The election marked the first time that an incumbent had been defeated and power would be handed from one party to another. Buhari was inaugurated on May 29, 2015.

Buhari faced several challenges as president. In 2016, declining oil revenue led to Nigeria's first recession in more than 25 years. Although some recovery progress was evident by 2018, many Nigerian citizens did not see relief, and the country earned the unenviable distinction that year of having the most people in extreme poverty in the world. Many questioned whether Buhari was fit enough to serve as president, as he repeatedly left the country for medical treatment of an undisclosed ailment; in 2017 he was absent for several months. There was progress in the fight against corruption, but it was accompanied by criticism that efforts were focused on members of the opposition while ignoring the corrupt activities of APC allies.

Although the military had made progress against Boko Haram and ISWA by late 2016, attacks later resumed, crushing hopes that the militants would soon be eradicated. Other sources of insecurity were the ongoing clashes between herders and farmers in central Nigeria and unrest in the southeast stemming from the long-running issue of militants disrupting oil production as well as the resurgence of the Biafran secessionist movement. The latter group in 2017 observed the 50th anniversary of the region's declaration of independence.







-

--

__

-

rn the v

light to

and dev

ly this

__

__

10000

--

--

-

-

-

Leadin

Logistica

Candidates

2019

In the run-up to the February 2019 general elections, more than 70 candidates declared their intent to stand for president. Within that crowded field, the two leading candidates were Buhari, again the APC's candidate, and Atiku Abubakar, a seasoned politician who served as vice president under Obasanjo, representing the PDP.

The election was originally scheduled for February 16, but, because of logistical problems, it was postponed just hours before it was due to begin and was held a week later, on February 23. Buhari was reelected, taking 56 percent of the vote; Abubakar, his nearest challenger, won 41 percent.

He was inaugurated for his second term on May 29, 2019.

lections

ndust

being able



End Sars



The #EndSARS movement has taken aim at SARS, a tactical police unit assembled in 1992 to curtail violent crimes such as armed robbery and kidnapping. Over the years, SARS has become the most flagrant source of state violence and corruption that citizens encounter. Youths, the demographic propelling #EndSARS, report harassment, bribery, and even kidnappings by SARS officers, who criminalise young people for "dressing like" prostitutes and Internet scammers, merely because they own smartphones and laptops, drive "flashy" cars, or have tattoos and dreadlocks. A 2020 Amnesty International report, "Nigeria: Time to End Impunity," documented 82 horrifying cases between January 2017 and May 2020 of SARS extrajudicial killings, extortion, and torture methods, including "hanging, mock execution, beating, punching and kicking, burning with cigarettes, waterboarding, near-asphyxiation with plastic bags, forcing detainees to assume stressful bodily positions, and sexual violence." Citizen reporting sites including End SARS and The POBIN (Police Brutality in Nigeria) Project score more testimonies of abuse.



On the morning of October 3, two days after Nigeria celebrated 60 years of independence, a tweet by Chinyelugo (@AfricaOfficial2) went viral, sounding an alarm that "SARS just shot a young boy dead." Hours later, mobile phone recordings with the hashtag #EndSARS began trending, documenting the gruesome scene of the unidentified young man's lifeless body abandoned on the roadside and citizens pursuing the officers, who they witnessed steal the man's Lexus SUV.

Over the following days, many more Nigerians shared their own harrowing SARS experiences using the hashtag, which actually made its first appearance as a social media campaign and petition three years earlier, after a viral police murder in December 2017. This time around, with the mobilizing power of popular influencers on Twitter, the online protest moved to the streets. Since October 8, protesters in 26 of Nigeria's 36 states have organized daily mass demonstrations, vigils, a sit-in of the National Assembly, and blockades of airports and major roads—until the tragedy on October 20.

What sets the 2020 #EndSARS movement apart from previous struggles in Nigeria is its inclusive, decentralized leadership and organizing approach.

Then, on October 20, hundreds of protesters staged a sit-in at the toll gate in Lekki, a rapidly gentrifying area of mega-city Lagos. Livestreams captured a crowd of youths jubilantly sitting on the ground singing the national anthem and waving the Nigerian flag. At nightfall, the chilling sounds of live gunfire and frantic screams rang out, with protesters running for their lives—many still faithfully singing the national anthem. Within hours, the Twitter account of the Nigerian army callously tweeted that stories of the military gunning down protesters were "fake news," even while survivors shared images and videos of military-grade shell casings and the bodies of slain comrades.

Two days later, in his first televised address in response to #EndSARS, President Buhari called for an end to the protests, stating that the government would not "allow anybody or groups to disrupt the peace of the nation." Even without directly acknowledging the killings, the message was clear: The Nigerian government is prepared to continue to use force to put down the #EndSARS movement.







*** CUSTONER COPY***

VALIDATION - DP CHANGE DUE

TTEMS SOLD 5

WE SELL MANAGER TI (630) 2

made rich nachines, such as

Plant and Animal Life

The main vegetation patterns run in broad east-west belts, parallel to the Equator. Mangrove and freshwater swamps occur along the coast and in the Niger delta. A short way inland, the swamps give way to dense tropical rainforests. Economically valuable, the oil palm grows wild and is usually preserved when forest is cleared for cultivation. In the more densely populated parts of the southeast, the original forest vegetation has been replaced by open palm bush. In the southwest large areas of forest have been replaced by cacao and rubber plantations. Tropical grassland occupies the area north of the forest belt and is studded with baobab, tamarind, and locust bean trees.

Gallery forests (narrow forest zones along rivers) are also characteristic of the open savanna in the north. In densely populated areas of the savanna, such as those around the towns of Sokoto, Kano, and Katsina, the vegetation has been removed by continuous cropping, overgrazing, and bush burning. In the far northern areas the nearly total disappearance of plant life has facilitated a gradual southward advance of the Sahara.

Camels, antelopes, hyenas, lions, baboons, and giraffes once inhabited the entire savanna region, and red river hogs, forest elephants, and chimpanzees lived in the rainforest belt. Animals found in both forest and savanna included leopards, golden cats, monkeys, gorillas, and wild pigs.

The northern savanna abounds in guinea fowl. Other common birds include quail, vultures, kites, bustards, and gray parrots. The rivers contain crocodiles, hippopotamuses, and a great variety of fishes.



folklor

ORDER #0013 FOR TAYLOR JULY 24, 2020 01:17PM

THE 1
CARDIGAN
THE LAST GREAT AMERICAN DYNASTY
EXILE (FT. BON IVER)
MY TEARS RICOCHET
HIRRORBALL
SEVEN
AUGUST
THIS IS ME TRYING
ILLICIT AFFAIRS
INVISIBLE STRING
MAD WOMAN
EPIPHANY
BETTY
PEACE
HOAX

ITEM COUNT: TOTAL:

63:

CARD #: ####62613 AUTH: 7254826282626 CARDHOLDER: TAYLOR LABEL: REPUBLIC



RETAIN THIS COPY FOR YOUR RECORDS











There are an estimated 250 ethnic groups in Nigeria. Each inhabits a territory that it considers to be its own by right of first occupancy and inheritance.

Individuals who are not members of a dominant group but who have lived and worked for several decades in the territory of the group are still considered to be aliens. In most rural areas, such aliens may not acquire outright title to land, yet considerable numbers of people have migrated from one ethnic territory to another in search of farmland.







There are three major ethnic groups in the country: the Hausa-Fulani, the Yoruba, and the Igbo.



yoruba

nifferent types of engine

g needs to go, the more i the quicker it must burn its cars need bigger engines than standard cars, and se jet engines.

Fire in sonyted

and burns on the air to 4 Hot exhaust fires the plane

5 Exhaust gastr spin a furbiot

faster than cars just to re a lot more fuel instead is and a four-stroke cycle, yer by burning fuel in a

Another large and politically dominant group is the Yoruba of southwestern Nigeria.

1 Fuel Blook hydrogen is stored in the top fam at a high pressure

2 Liquid oxygen is stored in a separate tank, also at num oxesture

3 Purnos with valves squirt the fuel and oxygen into the one ne

4 The furt and oxygen mixand burn in the combistion chamber. The exhaust gas runnes built a tight "throat" into a widening nozale making it speed up

5 The exhaust gas frong down blasts the rocket upwards

Rocket engine

Rockets are similar to jet engines but with one big difference - there is no oxygen in space so they must carry their own supply in a giant tank.

A ROCKET ENGINE AT LIFTOFF CREATES ABOUT AS MUCH FORCE AS 50,000 CAR ENGINES.

Most Yoruba are farmers but live in urban areas away from their rural farmland. Each Yoruba subgroup is ruled by a paramount chief, or oba, who is usually supported by a council of chiefs.

The ooni (oni) of Ile-Ife, who is the spiritual leader of the Yoruba, and the alaafin (alafin) of Oyo, who is their traditional political leader, are the most powerful rulers, and their influence is still acknowledged throughout the Yoruba areas.

Bang
A carefulty timed burst
of electricity makes the spark
plug fire, igniting the mixture
and causing it to explode. The
explosion pushes the piston
down and turns the crankshaft,
which powers the engine.

When the fuel burns with oxygen, it turns into carbon dioxide gas, steam, and pollution that must be removed. The exhaust valve opens and the piston pushes up.

driving the waste gases out, ready for the cycle to start again.

ZFE CYCLE

REPRODUCTIVE SYSTEM

The parts of the body dedicated to creating babies make up the reproductive system. The

The human li Programmed

and mu

to grow which t

things,

create o

SEXI

Like mo reprodu parents Sexual r from bo characto

Sperm

1 Normal cells have two
1 chromosomes, one fro
mother (shown in red) and
from the father (green). Be
meiosis, each chromosome
theelt forming an X share

The third major ethnic group, the Igbo of southeastern Nigeria, lives in small decentralized and democratic settlements.

Spo

varies. In a

towards the uterus. If the egg cell meets a sperm cell, fertilization occurs and the resulting embryo

The largest political unit is the village, which is ruled by a council of elders (chosen by merit, not heredity) rather than by a chief. A smaller proportion live in large towns and are culturally much closer to the Edo of neighbouring Benin City (in Edo state) than to the Igbo east of the lower Niger valley.

SPERM ARE THE
SMALLEST
CELLS IN THE
HUMAN BODY,
WHEREAS EGGS
ARE THE
ARGEST.



os consbination osomes. When it is restored

Ulterus protects and nourishes foetus

GENES A

Hansa - Lulani



embryo into a fully functioning human

Life expectancy

Average life expectancy varies

The northern-dwelling Hausa, one of the most numerous groups in the country, have become integrated with the smaller Fulani group, whose members conquered Hausaland in the early 19th century; the great majority of both are Muslims.

Town-dwelling Fulani intermarry freely with the Hausa and other groups, and they continue to control the administration of the Hausa towns.

The cattle-herding rural Fulani, who generally do not intermarry, speak the Fulani language, Fula, rather than Hausa.





CONFIRMED IN IS THAT OF IT OF FRANCE.
IN 1875 AND
THE AGE OF
164 DAYS.



ses of death worldwide

- Accidental Injury Digestive disease

Deliberate injury Brain disease



Unstable atoms break up to release three types of

Religion

At the beginning of the 20th century, most Nigerians were followers of traditional religions, but British colonial policies discouraged this to such an extent that by the time of independence in 1960 the great majority of the people were classified as Muslims or Christians.

At the beginning of the 21st century, about half of the population was Muslim, slightly less than that was Christian, and only a small number claimed to follow traditional religions.

However, many of those professing to be Muslims and Christians also openly performed certain rites or rituals of traditional religions that were no longer condemned as they had been during the colonial period.

While a supreme god (called Olorun Olodumare in Yoruba, Chukwu in Igbo, Osalobua in Edo, and Abasi Ibom in Ibibio) is central to many of the traditional religions, the deity is worshipped through a number of intermediaries or lesser gods.

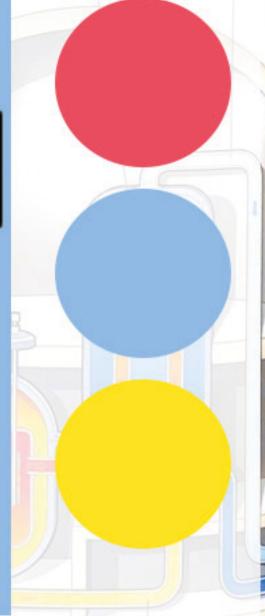
tricity by smashing atoms by huge forces, and they sy when they disintegrate.

y different forms, called isotopes, active) and naturally break apart to energy. Atoms can also be forced ver stations and atomic bombs, ous enough to kill people, they can particles are used in smoke alarms.

a. They are also

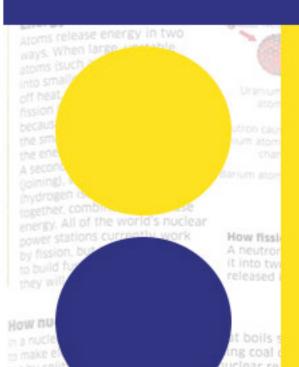
outer loop in the tank boils to steam, which flows





be controlled by

up or slow down the hociear reactions.



unt of pow

Turbine

ering rods to si

Religious freedom is guaranteed by the constitution, and Muslims and Christians live and work together, although there is continuing conflict between the two groups and between them and adherents of traditional religions. The greatest concentration of Muslims is in the northern states.

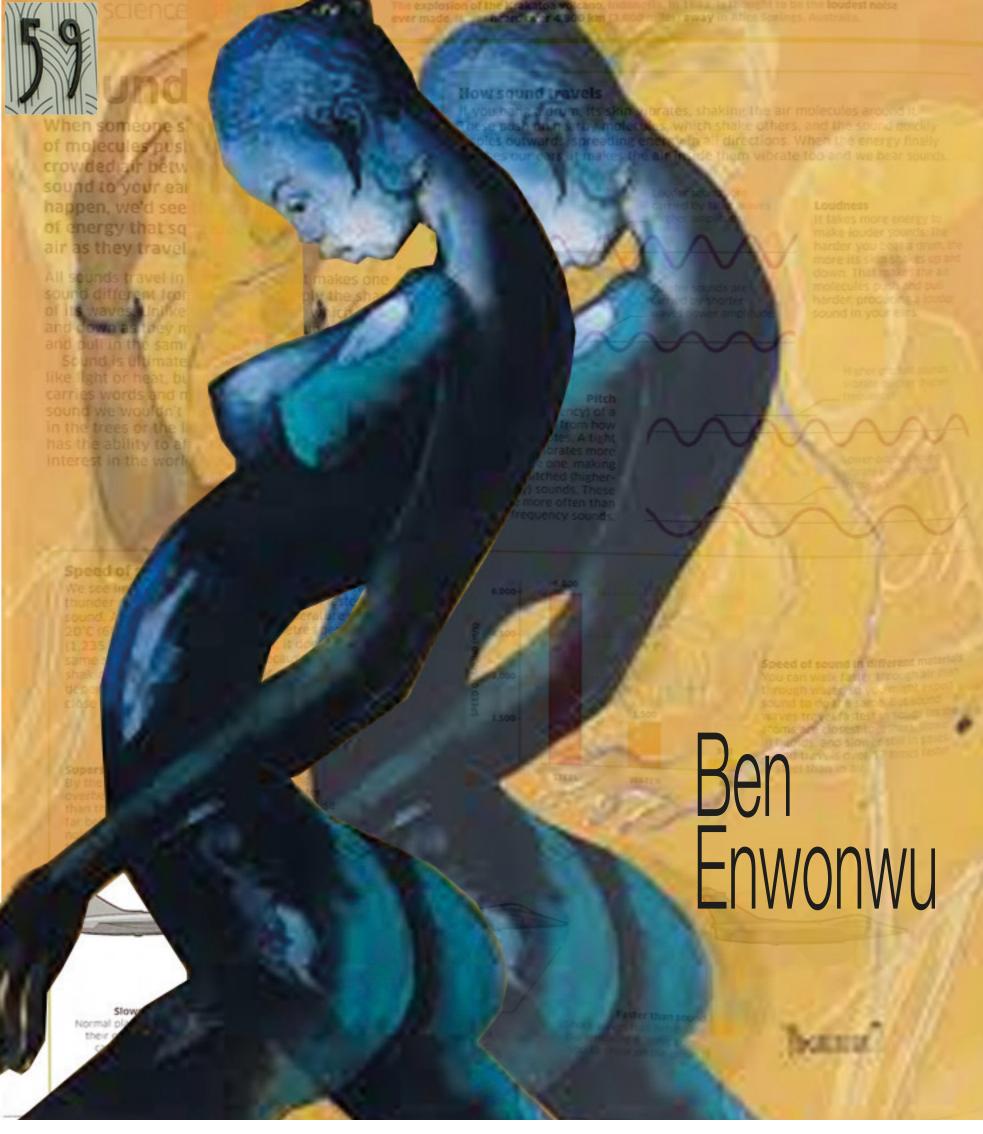
There three-fourths of the people profess the religion of Islam, which also is the dominant faith in a few of the southern states. Christians make up more than three-fourths of the population in the eastern states.

The main established Christian groups are Roman Catholics, Methodists, Anglicans, and Baptists. A growing number of breakaway Christian churches, which embrace indigenous cultural traditions, are gaining popularity—a development perceived as a threat by the older established churches.

The breakaway Christian churches often include drumming and dancing in their services, a practice since adopted by the established churches in an attempt to avoid losing members. Another issue has been how Islam and Christianity have chosen to incorporate the traditional practice of polygamy. Christianity has officially disallowed it, while Islam has allowed men to have up to four wives; however, breakaway Christian churches often have placed no limits on the practice.



Pump drives water





RTEB Most of the more obvious animals are vertebrates - animals with flexible backbones internal skeletons. They are the mammals (which Geographic of vertebi now living Marked differences exist between north largest th and south, not only in physical

landscape, climate, and vegetation but also in the social organization, religion, literacy, and agricultural practices of the people.

These differences form the basis of the division of Nigeria into three geographic regions: the south, or Guinea coastlands; the central region; and the north, or Nigerian Sudan.

THREE PER CENT

more than 30 major groups.

Vertebrate groups





BODY



AWLESS FISH
13 species
of like lampreys do not have
only jaws, and resemble

1.200 species
s and sharks have
this made of flexible sinstead of true bo

REPTILES

BONY FISH

BONY FISH
32,300 species
These fish, which include types
such as salmon and herring,
have skeletons of hard bone.



AMPHIBIANS 7,795 species Frogs, salamanders, and newts have thin, moist skins and often breed in fresh water 19% Beth 15% Reptiles

9% Amonibians

10,050 species Adapted for flight, birds are warm blooded, feathered vertebrates

The north, or Nigerian Sudan, underwent significant change in the beginning of the 20th century, when a new economic pattern was created by the construction of a railroad that connected the region to the country's coastal ports. Before then, the Nigerian Sudan was more outward oriented through regular trans-Saharan contacts with North Africa, the Mediterranean, and the Middle East.

Except in the Lake Chad basin, where the Kanuri people established the state of Borno, the Nigerian Sudan has been dominated by a blend of the cultures of the Fulani and Hausa. The former are traditionally nomadic cattle herders, the latter settled cultivators; both groups are predominantly Muslim.

The south is the most economically developed part of Nigeria. Its forest resources are intensively exploited, and its tree crops are harvested on peasant farms and commercial plantations. All of the country's major industrial centres and oil fields, as well as its seaports, are concentrated in the region.

Important cultural centres are also found in the south, such as those of the Yoruba in the western part of the region, the Edo in the region's midwestern section, and the Igbo-Ibibio in the east. Parts of the country's Igbo and Ibibio-inhabited areas are the most densely settled areas in sub-Saharan Africa.

The Yoruba-inhabited areas where cacao is grown are also densely settled and attract many migrants from the congested Igbo and Ibibio-inhabited areas.

rate species y named and if of these rpes of fish.

> the the cord

The leg bones are moved by strong skeletal muscles

ed Hon. gans

Notorious for temper, the h of the most d African animal

The only bear that lives by honting, the polar bear can kill a seal with a swipe of its paw.



HIPPOPOTAMUS

One of the largest and heaviest tand mammals, the hippo can weigh up to 3 tonnes. Its closest living relatives are whales.



ne biggest of all cats, the tiger an grow to 3.3 m (11 ft) long from lead to tail. It is a formidable redator, but now very rare.

Air supply

the lif

Inside

Every minute, without you thinking about it or even noticing, your lungs take in about 15 breaths of air. This vital process of breathing

Most of the air we breathe travels through the nose inside the nose, hairs an stocky fluids trap dust a germs, preventing the from reaching the full

The central region is the most sparsely settled and least developed part of Nigeria, comprising about two-fifths of the country's land area but supporting less than one-fifth of the total population.



Small pockets of dense population occur in the tin fields of the Jos Plateau and in the southern Tiv-inhabited area. The remaining, and by far the greater, part of this region is virtually uninhabited owing to the poor soil and climate.

The tiny air pockets in the lungs are called alveoli Each single alveolus is ction of a millimetre across

Breathing muscle





100 n whizz partic oppos 99.99 of light that t bliste studie space called









Atlas

This detector uses a huge doughnut-shaped system of magnets clamped around a beam pipe to watch collisions between protons. Already, it's found strong signs of a mysterious particle called the Higgs boson. Scientists hope this will help them to understand how other particles come to have their mass.



imeter





ut the secrets things y smashing rliest of these es down short, les race around particles ions, splitting

d studied. in an oorder. CERN e experiment 's attempting e was formed

- cooled to a that in outer



African

Th ma









K81071



Backbone The arched shape of Big lungs draw in air to extract oxygen

Economy

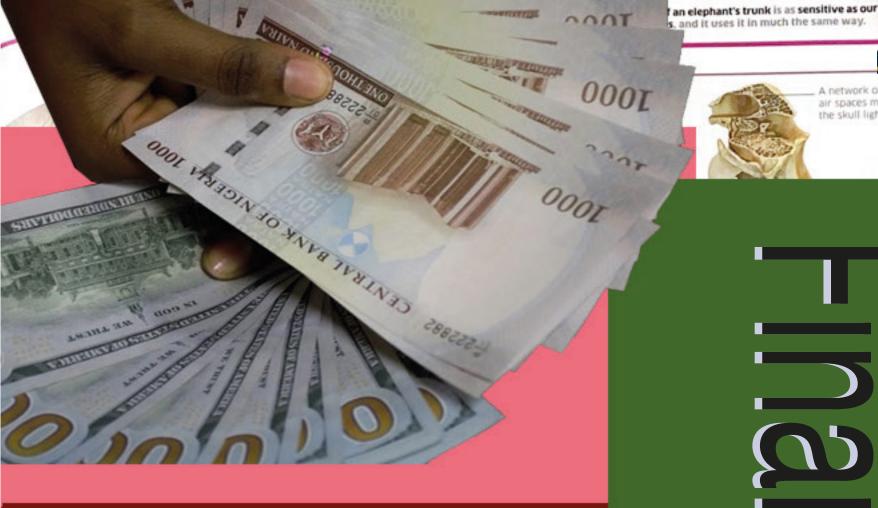
The Nigerian economy is one of the largest in Africa. Since the late 1960s it has been based primarily on the petroleum industry. A series of world oil price increases from 1973 produced rapid economic growth in transportation, construction, manufacturing, and government services.

In addition, from about 1975 Nigeria was forced to import such basic commodities as rice and cassava for domestic consumption. This system worked well as long as revenues from petroleum remained constant, but since the late 1970s the agricultural sector has been in continuing crisis because of the fluctuating world oil market and the country's rapid population growth. Although much of the population remained engaged in farming, too little food was produced, requiring increasingly costly imports.

In the late 1990s the government began to privatize many state-run enterprises—especially in communications, power, and transportation—in order to enhance the quality of service and reduce dependence on the government. Most of the enterprises had been successfully privatized by the beginning of the 21st century, but a few remained in government hands.

At the turn of the 21st century, Nigeria continued to face an unsteady revenue flow, which the government attempted to counter by borrowing from international sources, introducing various austerity measures, or doing both at the same time. As a result, an ever-increasing share of the national budget was needed for debt repayment, which, with corruption dominating government operations, meant that very little of Nigeria's income was being spent on the people and their needs.

Nigeria entered a recession in 2016, partly because of falling global oil prices, but saw progress with recovery within the next couple of years.



air spaces makes the skull lighter

The Central Bank of Nigeria issues the national currency, the naira, which has been devalued several times since 1980. The Central Bank has branches in all the state capitals and provides guidelines to all commercial and merchant banks in the country. In 1976 all foreign banks were compelled to sell 60 percent of their shares to Nigerians.

Banks proliferated in the 1980s, after the financial sector was liberalized. Many of these banks proved unstable, however, and in 1995 the government was forced to rescue some of them. Soon after, the government began privatizing banks and closing those that had violated banking regulations. By the beginning of the 21st century, the country had some 100 banks and financial institutions, and branch locations were widespread. There are a stock exchange and a securities exchange commission in Lagos.

100 Pounds ____ 51,892.80 Nigerian Sterling Naira

100 United States ____ 38,000.00 **Dollars**



keep in touch Nigerian Naira rumbling sounds that can le ground for 8 km (5 miles) k up the vibrations itive soles of their feet.

Family ties

Female elephants and their young live in family groups led by the oldest, wisest female, who knows where to find food and water. They have a close bond, using their trunks to touch and caress each other. When young males reach their teens, they leave to form all-male groups, but they often meet up with the family.

Nigeria has a variety of both renewable and nonrenewable resources, some of which have not yet been effectively tapped. Solar energy, probably the most extensive of the underutilized renewable resources, is likely to remain untapped for some time.

Resource extraction is the most important sector of the economy. The most economically valuable minerals are crude oil, natural gas, coal, tin, and columbite (an iron-bearing mineral that accompanies tin). Petroleum, first discovered in 1956, is the most important source of government revenue and foreign exchange. Most of the oil output comes from onshore fields in the Niger delta, although an increasing proportion of the crude is produced at offshore locations. There are oil refineries at Port Harcourt, Warri, and Kaduna. Nigeria has been a member of OPEC since 1971.

There are vast reserves of natural gas, but most of the gas produced is a by-product of crude oil. In the past this was burned off, as there was no market for it, but production has since increased, and Nigeria became a globally ranked exporter of this commodity.

Nigeria possesses significant reserves of coal, but these deposits are being developed gradually. Coal is used by the railroad, by traditional metal industries, and by power plants to generate electricity. Coal mining, initially concentrated around the city of Enugu and its environs, began in 1915. It declined after the late 1950s with the discovery of oil but subsequently increased. Substantial coal reserves of varying quality can be found in south-central states in a band that stretches from Benin to Cameroon. Deposits discovered more recently in the southwestern part of the country at Lafia-Obi are being

developed for the Ajaokuta steel complex.

By the early 21st century, the country's tin-smelting capacity had not been reached, a result of diminished world demand in the late 1980s; production of columbite has also declined since the mid-1970s.

Other mined minerals include gypsum, kaolin, barite, gold, sapphires, topazes, and aquamarines. There are also uranium deposits in the country.



Resources and Power

system work automatically, controlling your internal organs and reflexes without your conscious awareness.

Sheath of a fatty substance called myelin insulates axon, making signal travel faster







About one-fifth of the country's power is provided by hydroelectricity, although this source has the potential to provide an even greater amount of power.

The main sources of hydroelectric power are the dams at Kainji, Shiroro (Niger state), and Jebba (Kwara state). Thermal plants fired with natural gas and coal supply about four-fifths of the country's power and include those at Afam, Sapele, and Lagos and on the Oji River. Demand, however, always exceeds supply. Fuelwood (firewood and charcoal) is still an important energy source for domestic use.

The concentration of people in the cities has created enormous sanitary problems, particularly improper sewage disposal, water shortages, and poor drainage. Large heaps of domestic refuse spill across narrow streets, causing traffic delays, while the dumping of garbage along streambeds constitutes a major health hazard and has contributed to the floods that have often plagued Ibadan, Lagos, and other cities during the rainy season. Lower respiratory infections, diarrheal diseases, malaria, and HIV/AIDS are among the leading causes of death. The Nigeria Centre for Disease Control was established in 2011 to support public health.

are the approximate number

Health conditions are particularly poor in the shantytown suburbs of Greater Lagos and other large cities, where domestic water supplies are obtained from wells that are often polluted by seepage from pit latrines. Rural communities also suffer from inadequate or impure water supplies. Some villagers have to walk as far as 6 miles (10 km) to the nearest water point—usually a stream. Because people wash clothes, bathe, and fish (sometimes using fish poison) in the same streams, the water drawn by people in villages farther downstream is often polluted. During the rainy season, wayside pits containing rainwater, often dug close to residential areas, are the main source of domestic water supplies. Cattle are often watered in the shallower pools, and this contributes to the high incidence of intestinal diseases and guinea worm in many rural areas.

Medical and health services are the responsibility of all levels of government. There are hospitals in the large cities and towns. Most of the state capitals have specialized hospitals, and many are home to a university teaching hospital. There are numerous private hospitals, clinics, and maternity centres. Medical services are inadequate in many parts of the country, however, because of shortages of medical personnel, modern equipment, and supplies.





Health

Medical and Health Services

Synapses

Signals travel along nerve cell fibres as a wave of electric charge. When the charge reaches the end of a neuron, a tiny gap called a synapse prevents it from jumping across. Instead, chemicals called neurotransmitters flood into the gap and trigger a new signal in the next neuron. to the spinal cord.

1 Touching a flame triggers pain receptors in the skin.











Housing

The gatehouse

The castle entrance was heavily defended. It was often built as a narrow tunnel with wood or iron gates at either end. Holes in the ceiling (murder holes) could be used to pour boiling oil or water on attackers in the tunnel.

Lord's chambers

The lord and his family had private rooms in the strongest part of the case. known as the way

Overcrowding in the cities has caused slums to spread and shantytown suburbs to emerge in most of the larger urban centres. Most houses are built by individuals, and, because banks do not normally lend money for home construction, most of these individuals must rely on their savings. A federal housing program provides funds for the construction of low-cost housing for low- and middle-income workers in the state capitals, local government headquarters, and other large towns.

House types vary by geographic location. In the coastal areas the walls and roofs are made from the raffia palm, which abounds in the region. Rectangular mud houses with mat roofs are found in the forest belt, although the houses of the more prosperous have corrugated iron roofs. In the savanna areas of the central region and in parts of the north, houses are round mud buildings roofed with sloping grass thatch, but flat mud roofs appear in the drier areas of the extreme north. Some mud houses are also covered with a layer of cement. Larger houses are designed around an open courtyard and traditionally contained barrels or cisterns in which rainwater could be collected.

During the colonial period, British officials lived in segregated housing known as Government Reserve Areas (GRA). After independence GRA housing became very desirable among the African population.



Overcrowding in the Cities

Cut into the rock and often filled by diverting a nearby stream, the most kept attackers away from the walls

Great Britain did little to promote education during the colonial period. Until 1950 most schools were operated by Christian missionary bodies, which introduced Western-style education into Nigeria beginning in the mid-19th century.

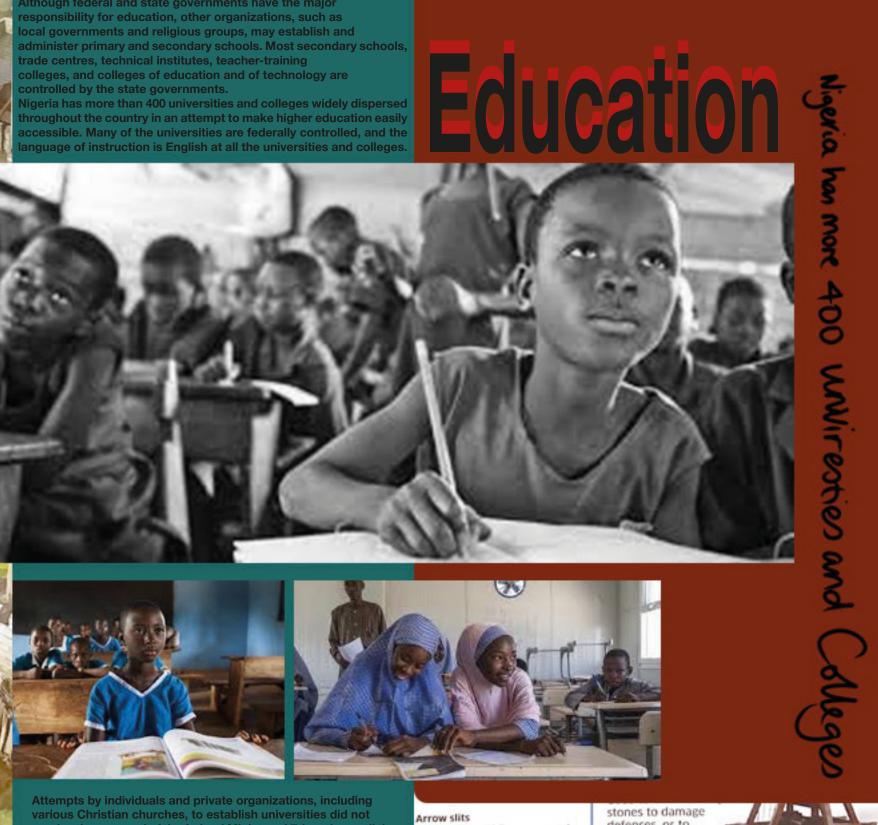
The British colonial government funded a few schools, although its policy was to give grants to mission schools rather than to expand its own system. In the northern, predominantly Muslim area, Western-style education was prohibited because the religious leaders did not want Christian missionaries interfering with Islam, and Islamic education was provided in traditional Islamic schools.

Today primary education, free and compulsory, begins at age six and lasts for six vears. Secondary education consists of two three-year cycles, the first cycle of which is free and compulsory. Although federal and state governments have the major responsibility for education, other organizations, such as local governments and religious groups, may establish and administer primary and secondary schools. Most secondary schools, trade centres, technical institutes, teacher-training colleges, and colleges of education and of technology are controlled by the state governments.

Nigeria has more than 400 universities and colleges widely dispersed throughout the country in an attempt to make higher education easily accessible. Many of the universities are federally controlled, and the anguage of instruction is English at all the universities and colleges.

8,500 soldiers defended Rhodes against a besieging army of 70,000 Ottoman Turks in 1480.









Attempts by individuals and private organizations, including various Christian churches, to establish universities did not receive the approval of the federal Ministry of Education until the 1990s. Since then, dozens of private postsecondary institutions have been established.

Arrow slits

Defenders could fire arrows out, but attackers could not shoot in through these narrow holes.

stones to damage defences, or to bombard defenders inside the walls.



TREBUCHET







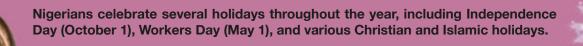
sharks are a million times more seculia-

Nigeria's vibrant popular culture reflects great changes in inherited traditions and adaptations of imported ones. Establishments serving alcoholic

beverages are found everywhere except where Islamic laws prohibit them. Hotels and nightclubs are part of the landscape of the larger cities. Movie theatres, showing mostly Indian and American films, are popular among the urban middle- and low-income groups. Radio, television, and other forms of home entertainment (e.g., recorded music and movies) have also grown in popularity, though their use is dependent on the availability of electricity.

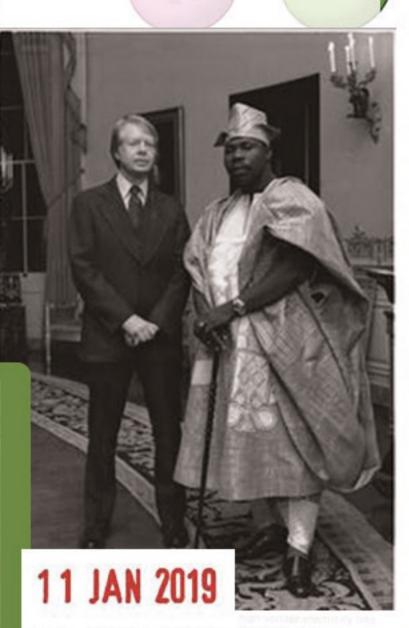
Whether in urban or rural areas, the family is the central institution. Families gather to celebrate births and weddings. Funerals are also times when the family gathers. Because so many Nigerians live outside the country, funerals for non-Muslims are often delayed for a month or more to allow all the family members to make plans to return home.











It currents

The discrete of t

Lightning by through the 322,00

pr th of

17 AUG 2018







In precolonial times the sport of wrestling was a vehicle for expressing individual and social identity, status, and prestige. British colonizers introduced other sports to Nigeria in the early 20th century; football (soccer), boxing, athletics (track and field), and tennis were spread through mission schools, railroad companies, the armed forces, and the colonial bureaucracy. After independence in 1960, the Nigerian government used domestic and international sporting events to foster a sense of national identity among the various ethnic groups and to gain global recognition.

Football is a national obsession in Nigeria. The national team, the Super Eagles, led by such outstanding players as Nwanko Kanu and Jay-Jay Okocha, reached the World Cup finals in 1994, 1998, and 2002 and won the gold medal at the 1996 Olympics. Likewise, the national women's team has repeatedly reached the Women's World Cup finals. The acclaim won by many Nigerian footballers playing abroad was mirrored by Hakeem Olajuwon, who became a superstar in the National Basketball Association in the United States, sparking widespread interest in the sport in Nigeria by the end of the 20th century.

Arise, O Compatriots,

Nigeria's call obey

To serve our Fatherland

With love and strength and faith.

The labour of our heroes past

Shall never be in vain,



2 JUNE 2018



Help our Youth the truth to know,

To build a nation where peace and justice reign.

In love and honesty to grow,

And living just and true,

Great lofty heights attain,

