enthusiasts and historians come together to celebrate the legacy of Morse code and its impact on global connectivity.

orld Morse Code Day, celebrated on April 27th each year, marks the anniversary of Samuel Morse's first public demonstration of his telegraph system in 1844. This historic event revolutionized long-distance communication, laying the groundwork for modern telecommunications. Morse code, using dots and dashes to represent letters and numbers, became essential in maritime and military communication. Although largely replaced by more advanced technology, Morse code remains a symbol of innovation and resilience in communication. On this day,

राष्ट्रदुत

#GENETICS

Are Twins Alike in Their Allergies?

allergies, or do they develop their own unique reactions? Let's unravel the mystery of genetics and environment.



often seem like they share every thing, from physi cal traits to man nerisms. But what about allergies? Is it possible that identical twins share while fraternal twins have completely different ones? The answer lies in a fasci-



llergies are essentially a case of the immune system going into overdrive, reacting to harmless sub stances like pollen, pet dander, or certain foods. This overreaction is triggered by immunoglobulin E (IgE), a specific antibody. While the cause of allergies isn't parents have allergies, it's

genetics, the picture is more complex. In the case of twins, the type of twins. identical or fraternal, makes a big difference. Identical twins, who share almost identical genetic material, greater risk of sharing simiar allergies. However, that doesn't mean that they will have identical allergic reac-

ldentical Twins: Same Genes, Different Allergic Responses?

iven that identical twins of each other in terms of come from a single fertilized egg and share the same genetic blueprint, you might expect them to have the same allergies. And indeed, studies show that identical twins are more likely to share allergies than fraternal twins. If one twin has an allergy to peanuts, the other is more likely to have the same reaction. However, identical twins aren't always mirror images

allergies. While they may be more predisposed to develop similar allergic conditions, environmental factors like where they live, their diet, and even how they were raised can influence whether they develop the same allergies. One twin might have a severe reaction to an allergen, while the other could have only mild symptoms or none at all.

will develop them too. But,

as with all things related to

Fraternal Twins: Less Alike, but Still Connected

raternal twins, who come I from separate eggs and share about 50% of their genetic material (just like any other siblings), have a more unpredictable allergy experience. While they share some genetic similarities,

react differently to the same allergens. As a result, fraternal twins might develop entirely different allergies, such as one being allergic to nuts while the other is allergic to pollen

pollution, or even the foods

their immune systems can

The Environment: The Wild Card in Allergy Development

W hile genetics is a key factor in determining susceptibility to allergies, the environment is the wild card. Whether it's pet dander, air

twins eat, external factors can have a significant impact on whether they develop allergies and which ones they develop.

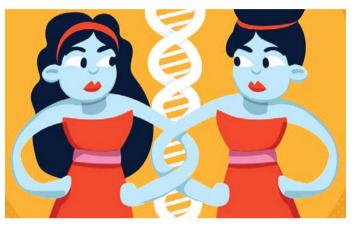
Not Always a Perfect Match

W hile identical twins do have a higher likelihood of sharing similar allergies, they're not guaranteed to be allergic to the same things. Fraternal twins might have entirely different allergic reactions, even if they share a similar genetic background. Ultimately, allergies

are a complex mix of genetics, environment, and timing. and while twins may have many things in common, their allergic reactions might not be one of them. So, while their bond is undeniable. allergies are one aspect where they might not always be in perfect sync.



Do identical twins share the same



Senior Journalist & Vildlife Enthusiast

An illustration showing the Nala Mar way in 1870.

ravels in the Mogul Empire is the first authoritative translation into English of Francois Bernier's Histoire de la derniere revolution des etats du Grand Mogol, published in Paris in 1670-71. Bernier witnessed

firsthand the bloody civil war and succession struggle of 1656-59 in which Aurangzeb, a younger brother of Dara Shikoh, seized the Mughal throne. In 1664, Bernier traveled with Aurangzeb to Kashmir, 'commonly called the paradise of India,' becoming most like ly the first European to visit the province. Bernier wrote several long letters to correspondents in France, in which he gave detailed descriptions of economic conditions and religious and social customs in northern India, including one to Jean-Baptiste Colbert. finance minister to King Louis XIV.

Bernier's writings reflect his access to the beating heart of the Mughal Empire. His frank impressions and shrewd observations shed light on the central personae that peopled the halls of power in 17thcentury India. From the devoted Dara Shikoh, who bought Bernier his first elephant, to the coldly calculating Aurangzeb whose company Bernier kept for months, his accounts provide candid portraits of the emperors and princes who

Agra, the imperial spectacle of Delhi's parades, and the wild majesty of a hunt with trained cheetahs. He describes himself as the wide-eyed foreign wanderer, permitted by happy accident to nfiltrate exotic worlds beyond his

Kashmir As He Saw

n his firsthand account of trav-

els across the Mughal Empire,

the French physician Francois

Bernier provides an insightful

glimpse into the pomp and cir-

Mughal court and its machina-

tions. Through an evocative por-

traval of his prolonged sojourn

traversing the plains of North

India and ascending into the

fabled Kashmir, he unravels the

spectacle of the Great Mughal pro-

cession in all its unhurried and

ceremonious glory. The freedom to

access the innermost sanctums of

the court and army on a campaign

that Bernier enjoyed was unprece-

dented and astonishing for a

European traveller, allowing him

to provide what is perhaps the

most extensive eyewitness

account of mobile Mughal gover-

nance. He leverages this privilege

to stress the grandeur, wealth and

might of Indo-Persian Mughal

power at its apogee, memorably

brought to life through striking

umstance surrounding the

wildest dreams. The final years of Bernier's life were devoted to publishing his trav-

shaped the fate of the subcontinent. els and cementing his legacy as one Bernier's writings also present of the foremost chroniclers of Mughal India. Though Bernier is relatively unknown today, his writ vels of the verdant vales of ings were devoured by Europeans of Kashmir, the pulsating bazaars of his time, transporting armchair travellers into intoxicating worlds beyond their borders. More than popular entertainment Bernier's accounts shaped European ideas about the Orient. Scholars continue to mine his work for precious firsthand insights into the social, cultural and political life of the Mughal realm.

descriptions of Kachemire's para-

dise and performative civilization-

al prowess. Through Bernier's

immense distances, experience

extremes of heat and cold, witness

the spectacular military encamp-

ments of the great Mughal ruler

Aurangzeb, and ultimately arrive

in the idyllic paradise of Kashmir.

to the scorching Indian summer,

as Bernier joins the emperor's

vast entourage departing Delhi in

May 1658, at the onset of the hot

season: "The heat was insupport-

able. There is not a cloud to be

seen nor a breath of air to be felt. I

feel as if I should myself expire

before night." Bernier notes

incredulously that despite the

extreme conditions, the camp

numbers at least 250,000 people

and animals, a migrating city

transporting the entire nobility

and military of the empire, along

with all their attendants, families,

His account transports us back



Relic from the Past: The Mughal Aliabad Sarai on the Mughal Road.

The Unspoilt Kashmir

Bernier proceeds to extol Srinagar as emblematic of the valley's cultivated beauty, strewn as it was with lush orchards, paddy fields and quaint hamlets along the riverbanks. He admires aspects such as the king's Shalimar pleasure gardens with their tree-lined canals and fountains, the royal Takht-i-Sulaiman hill crowned with ancient Hindu and Muslim monuments, as well as the bustling timber houses and floating gardens on the iconic Dal Lake. Captivated by this 'enchanting scene,' he argues passionately that Kashmir merits its exalted sobriquet as the 'paradise of the Indies' and should rightfully hold Mughal sway over the neighbouring mountain kingdoms as far as Ceylon.

#FRANÇOIS BERNIER 1620-1688

The Caravan Moves On

p ernier's travelogue offers a vivid sense of the scale and extravagant pomp of the Mughal court, with frequent hunting parties and lavish displays of wealth contrasting with the ascetic lifestyles of their subjects. There are scenes of chaos and calamity. as when crossing swollen rivers on makeshift pontoon bridges: numbers of camels, oxen, and horses were thrown down, and trodden underfoot, while blows were dealt about without inter-

After eleven gruelling days under the baking summer sun, the terrain finally changes as the party approaches the entrance to the mountains of Kashmir near the town of Bhimbhar, Bernier evokes both the sublime beauty and ever-present danger of the high mountains, describing: "a steep, black, and scorched mountain...We are encamped in the dry bed of a considerable torrent, upon pebbles and burning sands, a very furnace."

The advance sections of the party have gone ahead, while

fter traversing the 'frightful

A wall of the world' that is the

steep, imposing mountain pass of

Bember, Bernier is struck by the

dramatic change in climate as he

essentially transitions 'from the

Indies to Europe.' He breathes

cooler, fresher air and is sur-

rounded by fir, oak and plane

trees reminiscent of the forests of

his native Auvergne rather than

the tropical landscape left

behind. This evocative personifi-

cation of Kashmir as Europe

transplanted continues as he

elaborates on the valley's mild weather fertile soil and the

plethora of familiar flowers,

is Kashmir's setting as an alpine

valley cradled by the Himalayas,

described poetically as 'moun-

tains whose summits, at all times

covered with snow, soar above the

clouds and ordinary mist, and,

like Mount Olympus, are con-

stantly bright and serene.' He

traces the origins of this valley

lake according to legend, postu-

lating more logically that it was

formed by a sinking mountain

and subterranean erosion rather

than manually excavated by a

saint. Crucially, it is now chan-

nelled by the outlets and canals

into a peaceful river that winds

through Kashmir's capital

Srinagar, fringed by charming

Central to his lavish portrayal

ruits, and vegetables.

Europe Here



Image: Bilal Bahadur

Bernier proceeds to extol

Srinagar as emblematic of the

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as the bustling timber houses and

floating gardens on the iconic Dal

Lake. Captivated by this 'enchant-

ing scene,' he argues passionately

aspects such as the king's

ity permeate the letter, consciously risking his life to experience the allure of Kashmir firsthand: "What can induce a European to expose himself to such terrible heat, and to these harassing and perilous marches? It is too much curiosity, or rather it is gross folly and inconsiderate

Pather Masjid in the heart of Srinagar is the only living monument of Mughal architecture in Kashmir. KL

that Kashmir merits its exalted

sobriquet as the 'paradise of the

Indies' and should rightfully hold

Mughal sway over the neighbour-

ing mountain kingdoms as far as

Bernier's account also spotlights

the industrious character of

Kashmir's inhabitants, especial-

ly commending their agricultur-

al bounty. He notes approvingly

their ingenious irrigation sys-

tems allowing cultivation even

on the valley's hills and their

prolific production of rice, saf-

fron, fruits and vegetables.

AND I AM

LOVING THE

HOLSTER!

Bevond

Kashmir. "The atmosphere is cooler, my appetite is restored my strength improved," he recorded. Like the archetypal ero returning triumphantly home, the epic journey culminates as Bernier approaches the semi-mythical earthly paradise of Kashmir, rendered glorious by the tribulations endured to Through an extensive letter

the Pir Panjal mountains to

experience the delights of the

Kashmir valley compels him

rresistibly forward, using this

azardous journey also as an

pportunity to demonstrate his

ortitude and powers of observa-

tion. As the terrain changes, so

does Bernier's mood, the cooler

climate restoring his vigour as

the party finally encamps near

written to a friend after a threemonth sojourn there, Bernier brings alive the beauty and abundance of this 'terrestrial paradise of the Indies,' explaining its ınique geography, climate, flora, and fauna as well as extolling the ndustry and appearance of its

However, he singles out the man-

ufacturing of Pashmina wool

and shahtoosh shawls as

Kashmir's prime glory, which

describes different types of

generates vital trade. He

superior quality Kashmiri

shawls, patterned and fringed.

fashioned from the fine wool of

native goats or imported from

Ladakh and Tibet. Though com-

petitive copying was attempted

in Mughal capitals like Agra and

Lahore, Bernier declares none

could match Kashmir's artisan-

ry, colour mastery or the secret

This is the Poonch side of the breathtaking Mughal Road as captured from Pir Ki Gali. KL Image: Bilal Bahadur

Adventures Of The Anthropological Kind

A is the distinctive appearance and wit of the Kashmiri populace. Bernier asserts they have fairer complexions and more Europeanstyle features than other Indians, with the striking beauty of even ower-class women. He playfully ecounts his covert efforts to catch glimpses of the city's exquisite but cloistered ladies through tricks like distributing sweets via a learned guide. These intelligent, poetic people also earned his admiration for technological and literary skills seen in carved woodwork, eloquent poetry, and artistic talent comparable to Persians. Since intermar riage with beautiful Kashmiri women was coveted to preserve the 'white' Mughal lineage, Bernier cheekily argues Srinagar likely boasted ladies as lovely as any European belle. He presents Kashmiris as hon-

ourable partners in trade and culture with admirable qualities meriting respect. Thereby, while undeniably an outsider, he creates an immersive evewitness account that largely transcends stereotyping to recognise Kashmir's multidimensional reality on its terms. Ultimately, through this lens of a traveller enraptured by Kashmir's beauty over three centuries ago, 21st-century readers gain insigh into its enduring, if imperilled magic. "Its (Kashmir's) physiognomy is perfectly Armenian, the men

being very fair, with reddish hair and blue eves. I was amazed to see a tall, handsome, white lad enter the little temple I have described,

dressed as a woman." Bernier's perspective remains philosophically detached as he explores the land 'penned in between lofty mountains' where opposite seasons are experienced within the same hour.' He climbs summits less for glorious vistas than to empirically deduce the cause of natural oddities, as with the intermittent sacred spring at Bawan. "Having made these observations, it occurred to me that this pretended wonder might be accounted for by the heat of the sun, combined with the peculiar situation and internal disposition of

anthropological interest in the attention-seeking 'hermit' amidst Kashmir's Wular Lake, Bernier pointedly declines to 'fill up this letter by recounting the thousand absurd tales reported.'

Beyond busting supernatural myths, Bernier provides insight into the essence of Kashmir, the evocative vestiges of distant glorious eras contrasting with present decay and deprivation. "The wretched inhabitants of this charming country cluster, during summer, under wretched sheds of straw and sedges, enslaved and sub-

Spaces apart, Bernier records help readers scale Kashmir's passes and peaks and digress into Kashmir's mythic origins. He sifts through poetic legends surround ing the Verinag Springs to unearth traces of a queen who adorned sacred fish with golden rings. Quoting local tradition, he resur rects the memory of a paradisical city drowned beneath the lake for its ruler's sins. Such nostalgic episodes, like glimpses of forgotten grottoes and secluded vales, ampli the sublime mystique permeat ing his chronicle.

Bernier recounts a story about a

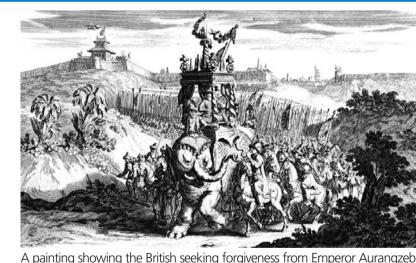
supposed miracle performed by some Muslim clerics involving a heavy stone. Bernier exposes this as a sham by detailing how he joined the group in trying to lift the stone and felt them secretly using more than just their fingertips. This episode establishes Bernier's scepticism regarding superstitious claims and miracles, a mindset he brings to his documentation of Kashmir. After departing the staged miracle. Bernier wanders the coun tryside, depicting sites like a spring whose ebullience purportedly increases with loud noises, though Bernier determines natural causes underlie its bubbling. He climbs mountains rife with flowers and glacial lakes, searching for a 'grotto full of wonderful congelation,' but recedes once summoned back by his

Moses Is Mousa

he heart of the account examines ■ Kashmiri heritage, especially by inquiries from his friend, Bernier investigates claims of long-established Jewish communities possessing Old Testament texts. Though unable to validate such communities persisting, Bernier provides extensive evidence for prior Jewish pres-

He first notes the Jewish cast of features observed among frontier villagers. Corroborating this, he cites other Europeans struck by the same semblable. He also explains the prevalence of the name Mousa, meaning Moses, in the region's capital city. Ancient traditions holding that Solomon visited Kashmir and directed the construction of a throne structure offer further clues. Most compellingly, widespread belief holds that Moses himself died near the city, with his tomb located less than a league

While Bernier cannot definitively trace Kashmiri Jews back to Biblical times, he marshals considerable indications of early Jewish influx, with religious deviation occurring over prolonged ages of isolation. He suggests that conquest or conversion to Islam during Medieval periods may have assimilated remaining enclaves into the broader population. Nonetheless, he strongly disputes that no basis exists for supposing Jewish residence in the distant past, reinforced by the ethnocultural clues



after the Child's War.

Kashmiris. Bernier also recounts political turmoil in 'Little Tibet' (Baltistan) and its entanglement with competing

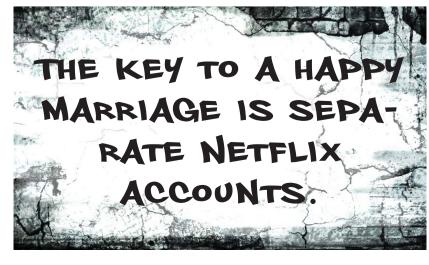
still evident among modern

Kashmir and Mughal interests. Intriguingly, he provides early European notice of polyandry customs whereby brothers jointly marry one wife. He further notes the prevalence of Shia Islam in Little Tibet reflecting Persia's religious and cultural influence reaching across the inner Asian highlands. Bernier's travelogue, recounting his curious forays into the Kashmir of bygone eras, remains intellectually daring

and evocative centuries later. Masterfully contextualizing its traditions and hardships, splendour and contradictions, Bernier makes a spellbinding journey to 17th-century Kashmir, equally tantalising in the present. The seductive, elusive quality that so entrances him continues to entice and beguile today's readers, inviting them to immerse themselves in his vivid chronicle while kindling an imperative to rediscover the real Kashmir behind the exot-

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THE WALL



BABY BLUES



By Rick Kirkman & Jerry Scott ZITS







By Jerry Scott & Jim Borgman