## **HEALTH & SCIENCE**



## The independent cows of the Golan Heights

Since 1967, a unique, free-ranging bovine herd has thrived on the Golan Heights. Their champion hopes they will receive official protection from the state

By RACHELI WACKS

nyone who walks in the after-noon between Nahal Meshushim myone who walks in the afternoon between Nahal Meshushim
on the Golan Heights might see them - a
herd of several dozen grazing cows. At first
glance you might think that this is a normal herd of several dozen grazing cows. At first
glance you might think that this is a normal herd of mature cows and their small
claves, brown, back and white, peacefully
walking between the rocks and bushes.
But unlike other cows often encountered
while hiking in the North, these cows do
natter. In fact, think, or anyone for that
matter, in fact, think, or anyone for that
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that were not collected. Apparently, these
were the more temperamental cows - the
ones who were difficult to lead to the
corral. They just stayed in the area, and
since then they have not been ones to be

people."

Thriving in the wilderness

These cows are actually behaving like wildlife," Gabriel said. They collect their own food in the wild, feet their calves naturally, and receive zero food supplements or veterinary treatments."

By contrast, cows raised for the mean daily industry are unable to produce enough milk for feeding without the food supplements given to them by workers. This is because in recent decaded, they contrast, cows raised for the mean contraction of the contrac

main causes of morbidity and morbidity for cows in Israel.

The wild cows, however, have not undergone any cultivation since 1967 and have thus remained mostly unchanged from the cows that lived in the area in those days—smaller and more adapted to

those days—smaller and more adapted to local conditions.

"When we travel to third-world countries, we usually can't drink the water, but the locals can. It's the same for local annies, we usually can't drink the water, but the locals can. It's the same for local annies are the local annies of the local can be supported to pest and it is the local contribution of the local can't be a second to pest and diseases over years and generations, and it acts like a vaccine," said Gabrieli. "It's a breed that it is maximally adapted to the environment in which it lives." We are supported to the control of the local can be supported by th

The cows weigh a little less than 400



RACHELL GABRIELL director of Beef Cattle Services for the Agriculture Ministry

600 kilograms," she said. "The wild cows are also much more athletic, and they are able to escape like a missile and run down a slope like a deer."

A misinformed culling

A misinformed culling. The close and compact nature of the herd also protects the wild cows from hunting threats. "In the past, there were illegal attempts to hunt then, but as the cultivation progressed, their meal for much of its value of the many called the mean carry callog," said Gabriell. However, other factors have significantly harmed the herd over the years, and even threatened its continued existence. "In the 1990's, vecteriarry sevices feared that the herd was a source of disease, so an order was issued to enadicate them," said Gabriell. "Out of 150 cows that lived in the herd at the time, 70 were shot." The 1990's, vecteriarry sevices feared that the herd was a source of disease, so an order was issued to enadicate them," said Gabriell. "Out of 150 cows that lived in the herd at the time, 70 were shot." Though the compact of the compact

side the Environmental Protection Min-istry, the Agriculture Ministry and the Water Authority, water troughs would be placed far from flow paths and fences would be installed to reduce cattle activity from occurring too close to the stream. However, they also noted, "This is not a protected animal, but a wild animal that has gone wild."

Indigenous durability
While the herd originally comprised
150 wild cows, their numbers today are
much smaller and the herd only stands
at about 40 individuals, of which close
to half are females and half are males.
According to Cabriell, the reason for this
is likely due to the significant culling the
herd experienced in the 1900s.
"Once you kill individuals from a popu-lation, essecially when it comes to a herd,

"Once you kill Individuals from a popu-lation, especially when it comes to a herd, which has a very delicate social fabric, it impairs the herd's ability to recover, and that's probably what happened to this herd," she said. "When a population size falls below a certain threshold, its rate of reproduction decreases because its genet-ery of the properties of the properties of the size of the properties of the properties of the is impaired. If a new disease suddenly appears, which some craws are nesterant to

ic diversity is smaller, so its resistance is impaired. If a new disease suddenly appears, which some cows are resistant to appears, which some cows are resistant to a more sufficient to the same family diversity. Gabriel believes it is also possible that the breedings between individuals within the same family due to the small size of the population, among other things, harms the fertility of the offspring. According to Gabriel, it is important to keep the wild cows on the Golan for the safe of the cows that belong to Garners. See the control of the cont

in Israel."

Beyond that, the responsibility of Israel to preserve the wild cows is part of the country's commitment to international conventions, particularly the UN's Convention on Biological Diversity. The issue of local indigenous breeds is gaining great importance in the world today and it also reflected in such international con-

also reflected in such international con-ventions," said Gabrieli.
"These 40 cows are not a nuisance, and they were not a nuisance even when they were at their peak size. They didn't steal pasture from anyone, and they didn't cause any harm to humans, the environ-ment, or neighboring herefs. There has never been a justifiable reason to harm herd manages to survive for generations to come," she concluded.

SUNDAY, MAY 16, 2021 • THE JERUSALEM POST

## Dramatic changes kick off a long, hot summer

Horoscopes for Sivan 5781

This is the month of Shavuot, celebrating Divine revelation. Big dramatic change between the care revealed with the onset of celtipse season, the two and-a-half-month-long solourn of jupiter/Tzelek into Pisces as preview to his longer stay there during 2022, the conjunction of Venus/Noga to the North Lunar Node, retrigrade Saturit/Salobtain and Mecruir/Scohay, and one intense opposition of MaryMaladim to Pluto.

and one intense opposition of Mary Ma'dum to Pluto.

Jupiter enters Pisces on May 13, heraldling a renewal of faith and optimism, dreams and visions, creativity, compassion, and spiritual wisdom. Venus in Gemini conjuncts the North Node on May 17, delivering an infusion of communicative and creative power. The "fated" or "meant to be" is confirmed - or dramatically dended. Saturn's retorgade beginning May 23 exposes huge chasms in matters of personal responsibility for those who depend on others for authority and decision-making. The Full "Super Blood" Moon Total Lunar Eclipse in Sagitation son May 26 escalates the dynamic tension between information and meaning, facts and beliefs, data and interpretation. Blind followers of unexamined dogmas will be forced to confront trentable truth, as well as the consequence of lay thinking. Mercury conjuncts Venus and then goes recognate on May 29. Idealism is tested, is "good

Mercury conjuncts Venus and then goes ret-rograde on May 29. Idealism is tested; is "good enough" close enough to "perfect", or is "per-fect" a constantly moving and ultimately unat-tainable target? What can you live with - and what can you learn to live without? A clue might appear at the trine of Venus to Jupiter on June 2, supporting abundance, prosperity, pleasure, and positive vibes.

positive vibes.
Intense power struggles over matters of personal and public security kick off a long, hot summer when Mars in Cancer opposes Pluto in Capticorn on June 5. The gift of Sivan's tribal ruler Zevulun was an ability to communicate with all peoples, not just his own kind. Communicating with clarity and integrity protects against damaging misunderstandings. Let truth be your shield during turbulent times!

be your shield during turbulent times!

ARIES / TALEH

You're due for a Divine Revelation at the Full Moon / Total Lunar Eclipse in Sagittarius on May 26, revealing contradictions, hypocrisies, and shortcomings of leadership within your chosen religious community. Remember that God's way of having a relationship with you is through your relationships with others. Mars / Ma'adim trines Neptune / Rahav on May 31, empowering creative resolution of family issues raised by revelation of ancestral secrets. Tribal leader 'Pehuda knew how to speak truth to power; the dramatic and intense opposition of Mars to Piuto on June 4 is your own test of confronting power with your personal truth.

TAURUS / SHOR

Planetary ruler Venus / Nogá's prescription for all manner of heartache is "shower the people you love with love," and it's your job to spread lovingkindness this month. Bind up the wounds of the brokenhearted when Venus suities Chiron on May 19 at the trine of Venus to Saturn / Shabbtal. at the square of Venus to Saturn / Shabbtal at the square of Venus to Naturn / Shabbtal and hit the love jackpot on June 2 at the beneficent, magnanimous trine of Venus to Neptune / Bahav; and hit the love jackpot on June 2 at the beneficent, magnanimous trine of Venus to Neptune / Bahav; and hit the sort jackpot on June 2 at the beneficent, magnanimous trine of Venus to Neptune / Bahav; and hit the love jackpot on June 2 at the beneficent, magnanimous trine of Venus to Neptune / Bahav; and hit the love jackpot on June 2 at the beneficent, magnanimous trine of Venus to Setting Venus of Setting Venus of Venus of Setting Venus of Venus o

GEMINI / TEOMIM

FINISI, TEOMIM
Planetary rule Mercury / Rochaw trined Saturn / Shabbrat on Rosh Chodesh Swan with the
Moon in Gemin, empowering meaningful musings, and sober decision-making. Though tribal
leader Zevulun's spiritual work involves travel,
this year the journey is more important than
the destination. Mercury squares Neptune /
Rahaw on May 2.2, demanding clearheaded decision-making. Mercury conjuncts Venus; Noga
and sataions retrograde on May 2.9, reminding
to escape feelings of confinement. Mercury retrograde repeats his square to Neptune on June
5, asking you to review and reconfirm decisions
made in May. Choose wisely.

made in May. Choose wisely.

First Quarter Moon in Leo with Venus / Noga trine Saturn / Shabbat May. De reveals the promuse in the Saturn / Shabbat May. De reveals the promuse in the Saturn / Shabbat May. De reveals the promuse in the Saturn of Shabbat May. Shabbat

"Make friends and influence people" on May I SUP (A NEWH "Make friends and influence people" on May IS with Sun sextle Peptune (Bahaw; your charm quotient is set on high. Sun trine Pluto with Moon in Leo on May I? bestowing tremendous charismatic powers of persuasion; Sun square Jupiter / Tzede on May 2! en Hages your already generous nature. Sun sextlles Chiron and trines Saturn / Shabbiat June 23 making you unusu-ally sensitive to the vulnerabilities of others. Tribal leader Shimors life lesson was using his power to safeguard the weak and defenseless;

VIRGO / BETULAH
Mercury / Kochav in Gemini squares Neptune /
Rahav in Pisco son May 22 and again during Mer-cury's retrograde on May 5. The square occurs again on July 5 with Mercury direct. Decisions about your home life and partnerships—wheth-er deciding to keep, discard, or change them in some way—need to be made in an utterly clearheaded way, and this time period is not con-ductive to clarity. Mercury conjunct Venus/ Noga on May 29 at Mercury retrograde; if you've been holding back communication around important life-stuses, they're sure to emerge now. Be utterly life-issues, they're sure to emerge now. Be utterly and ruthlessly honest with yourself before any

LIBRA / MOZNAYIM

LIBRA / MOZNAVIM

Venus / Noga conjuncts the North Node on
May 17, opening a feeling of freedom and spaclousness about your fate, future, and life rajectory you haven't felt in a long time. Suddenly you can see the forest for the trees, and
make bold decisions which feel not simply right,
but righteous. Full "Super Blood" Moon / Total
Lunar Eclipse in Sagitarius on May 26 compels
speakyour feat featesly. Venus enters sensitive
Cancer on June 2 and trines Jupited/Tzedek June
3, fantastic luck in the realm of business and
career. Ask and you shall receive!

career. Ask and you shall receive!

SCORPIO / AKRAV

The Sun's trine to Pluto on May 17 powerfully stimulates your personal charisma, and Mars trine Neptune/Bahaw May 31 energizes your imagination. However, the big event this month is the opposition of your traditional and modern planetary rulers: Mars / Ma'adim in Cancer opposite Pluto in Capicrom on June S. Dynamic tension between your logical thoughts and emotion-driven beliefs, especially around Issues of security, comes to a head. Confronting your own fears is one thing, surrendering them to the Divine Will is another. Discerning between facts and feelings is imperative; a trusted, sober-minded friend can help open the gates of perception.

ed friend can help open the gates of perception.

SAGITTARILS / KASIAT

Jupiter / Tacelet temporarily entiers Pisces on
May 13, going retrograte in June and then back
Into Aquarius in July. This brief sojourn previews
Jupiter in Pisces during much of 2022. Spiritual
wisdom, big-picture thinking, faith, and optimism are finally (after what seems like the longest drought) restored. The Full "Sugartation of May
Zo returns you to your roots in more ways than
one. You've been here before, but not as you are
note. You've been here before, but not as you are
ence, deeper self-knowledge, and fire-tested faith
are your biggest assets. Yenus trine Jupiter June
3- Jackpot!

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CAPRICORN / G-DI
With Saturn/Shabbtai retrograde beginning
May 23 and the Full "Super Blood" Moon / Total
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AQUARIUS / D'LI

Resistance to innovations you've initiated in the workplace come as a surprise, especially repeated to the workplace come as a surprise, especially regreater good. Mecrany/Kochav trines Saturn May Greater good, Mecrany/Kochav trines Saturn May 19, empowering sober realism, and accurate assessment of the state of initiate relationships. Practice exquisite integrity in all communications with your friends, community, and affinity groups at the Full "Super Blood" Moon / Total Lunar Eclipse on May 26. Saturn's retrograde from May 23 prompts you to cut the fat from your budget. Meticulous truth-felling, to yourself and others, saves you a world of hurt.

PISCES / DAGIM our "mazal" is truly "tov" now: Jupiter/Tze-'s summer sojourn through Pisces beginning dek's summer sojourn through Pisces beginning May 13 is a taste of his longer sky in your sign through much of 2022. Dreams and visions, imagination and curiosity, faith and optimism are making a long-awated comeback, and not a moment too soon! Venus/Noga square Nep-tune/Rahav on May 27 and Mars/Ma'adim trine Neptune May 31, gently energe/ing your creats beautiful trine of Venus in Cancer to Jupiter in Deautiful trine of Venus in Cancer to Jupiter in Pieces. Exercithers you north. and, turn in evid. Pisces. Everything you touch can turn to gold grace and favor are in your corner now. Enjoy!

The writer, an author and multimedia communi-cator, began her career as a professional astrologer in the 1990s. She holds a BA in journalism from San Francisco State University and an MA in Jewish studies from Berkeley's Graduate Theological Union, where her thesis topic was astrology in Jewish cultural history. Find more of her work at astrolojew.com.