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With cold winter temperatures and resulting wind chills, cattle producers need to pay special attention to newborn calves. UK College of Agriculture, Food and Environment ruminant veterinarian Michelle Arnold says extra precautions would go a long way in helping calves survive. “A calf’s body temperature often falls below normal due to a slow birth, followed by a delay in standing and nursing,” she said. “That is the immediate concern, and then the next step is maintaining the calf’s core temperature.”

If possible, producers should bring cows into the barn to calve in a heavily bedded, clean pen. If cows must calve outdoors, make sure there is dry, clean ground available without a large amount of manure. If cows do calve outdoors and calves show signs of hypothermia, or there are no natural windbreaks, producers should bring calves in until they are warm and dry.

Signs of hypothermia include shivering and blood shunting. In

Caution with Newborn Calves in Cold Weather

the early stages of hypothermia, a calf will show vigorous shivering usually accompanied by increased pulse and breathing rate. Cold nostrils and pale, cold hooves are early signs that blood is being shunted away from the body’s extremities. Watch for erratic behavior, confusion and a clumsy gait. As hypothermia progresses, shivering stops and muscles become rigid and pulse and respirations slow down. Brain cell metabolism slows and impairs brain function. The calf’s level of consciousness deteriorates and signs of life become difficult to detect. The pupils of the eyes will be dilated and fixed, and it may be hard to detect a pulse. The calf may have occasional gasps of respiration, and that may be the only clue that the calf is still alive. Heart failure may be the actual cause of death.

“The two most important factors in calf survival are warmth and colostrum,” Arnold said. “Colostrum is a concentrated source of protein, vitamins, minerals and energy, and it also contains antibodies to diseases or vaccines that the mother cow has been exposed to. Before you give colostrum, you need to make sure to warm the calf because the weak ones may not have enough strength to suckle. Sometimes you may need to deliver colostrum through an esophageal feeder.” Dark Karo syrup is a quick source

of energy for calves and their bloodstream quickly absorbs it.

UK Extension beef specialist Jeff Lehmkuhler contributed several ways to warm newborn calves: 1) place calves next to floorboard heaters of pickup trucks; 2) submerge wet calves in warm baths and gradually heat the water to 100 degrees Fahrenheit meanwhile supporting the calves’ heads to prevent drowning. Continue changing water out to maintain temperature; 3) place calves next to the heater in the house; 4) place calves under heat lamps, but be careful to cover the lamp with a screen so the calf will not get burned as it becomes more active; 5) wrap the calf in warm blankets, but not so hot that they burn the skin, and change the blankets as necessary to maintain warmth; 6) place the calf in a hot box or warming box, but not so hot that they burn the skin, with some type of venting is necessary to prevent carbon monoxide and moisture. Air movement is important to ensure thorough warming and to prevent hot spots in the warming box; and 7) ask a veterinarian administer warm IV fluids.

“Once the calf is warm, provide colostrum and maintain body temperature,” Arnold said. “If the calf is unwilling to suckle and it’s not possible to milk the mother cow, you should consider commer-

cial colostrum-replacement products.” Calves need colostrum as soon as possible after the suckle reflex has returned, generally within the first six hours after birth, but ideally within the first hour or two. Once the calf is warm and fed, move it back to its mother.

For more information, contact the Estill County Extension Office at 723-4557 or your local veterinarian. Educational programs of Kentucky Cooperative Extension serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expression, pregnancy, marital status, genetic information, age, veteran status, or physical or mental disability.

Farm Laws and Liability Seminar Rescheduled

Due to extreme winter weather conditions and other circumstances, the Farm Laws & Liability Seminar planned for Thursday, January 31st, 6:00 p.m. at the Estill County Extension office has been canceled and rescheduled for Thursday, March 28th.

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Out on a Limb



by Gary Kopervas

Recycling Christmas trees

Pine needles dry quickly but decompose slowly, making excellent groundcover around foliage, especially creeping plants such as strawberries.

If you live near a lake or pond and your tree is chemical-free, toss branches into the water to make sheltering habitat for fish.

Use branches as “starters” for an outdoor fire pit.

— Brenda Weaver

Source: www.thisoldhouse.com

Birdling BITS

BY Cindy Brook

Feeding Winter Birds

Margaret from Blind Bay drills holes in birch wood and stuffs them with chunky peanut butter. She uses a pulley system to raise and lower this handcrafted feeder. Peanut butter is a wonderful winter food for the chickadees, sparrows and pine siskins that visit her feeder. Thanks for sharing, Margaret!

E-mail: birdlingbits@cfl.rr.com

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Stickeler’s Puzzle

Mary has seven different keys that match seven locks at work.

If Mary picks one of the keys and one of the locks randomly, what is the probability that she will have a successful match?

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Stickeler’s Answer on Page 11

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6	8	6	5	2	5	6	3	2	7	4	5	4
E	A	S	P	B	R	P	C	E	D	B	A	E
7	5	4	6	2	4	2	6	5	2	5	3	2
A	I	P	E	F	R	L	X	S	E	E	H	X
8	2	3	7	6	8	6	7	8	3	6	3	4
S	I	O	R	P	U	E	E	N	I	R	C	A
7	2	5	6	2	5	3	7	8	5	3	8	5
T	B	O	I	L	T	E	O	N	H	S	Y	E
7	4	2	4	3	8	3	8	5	7	8	7	4
B	C	E	T	A	O	R	U	R	E	T	B	I
8	5	7	3	6	7	6	4	6	7	3	8	4
L	S	R	E	E	A	N	C	C	V	M	O	A
8	4	6	8	3	4	7	4	3	4	3	4	4
O	L	E	K	A	T	E	O	D	D	E	A	Y

HERE IS A PLEASANT LITTLE GAME that will give you a message every day. It's a numerical puzzle designed to spell out your fortune. Count the letters in your first name. If the number of letters is 6 or more, subtract 4. If the number is less than 6, add 3. The result is your key number. Start at the upper left-hand corner and check one of your key numbers, left to right. Then read the message the letters under the checked figures give you.

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CryptoQuip

This is a simple substitution cipher in which each letter used stands for another. If you think that X equals O, it will equal O throughout the puzzle. Solution is accomplished by trial and error.

Clue: **D** equals **Y**

HY DLR CUPZ U FLJ GZZFUDHMK

YLW U IRQHA QSUSHLM, HS IHKCS

JZ QUHG SCUS DLR UWZ WUGHL-

UASHPZ.

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CryptoQuote

AXYDLBAAXR
is **LONGFELLOW**

One letter stands for another. In this sample, **A** is used for the three L's, **X** for the two O's, etc. Single letters, apostrophes, the length and formation of the words are all hints. Each week the code letters are different.

ZBB SNGJCR TFPQ SF NGP

MNF MZGSR — KDFUGHQH

NQ LJFMR MNZS NQ GR

MZGSGJC EFD.

— MFFHDFM MGBRFJ

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Puzzle Answers

January 30, 2019

Puzzles4Kids

Answer

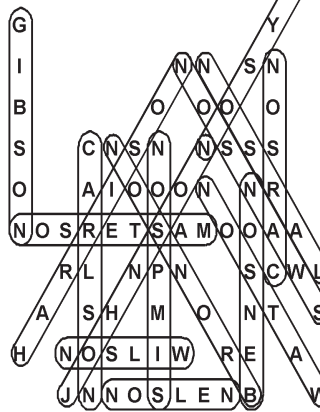
What did the drum say to his Valentine?

Letter Box

Solution

N	H	I	R	Y	A	C	L	O
L	A	Y	C	H	O	R	N	I
C	R	O	L	I	N	Y	A	H
R	O	N	A	L	Y	I	H	C
Y	L	C	H	R	I	N	O	A
A	I	H	O	N	C	L	R	Y
H	Y	R	I	A	L	O	C	N
O	N	L	Y	C	H	A	I	R
I	C	A	N	O	R	H	Y	L

“SON” NAMES



CryptoQuip

answer

If you have a job deejaying for a music station, it might be said that you are radio-active.

CryptoQuote

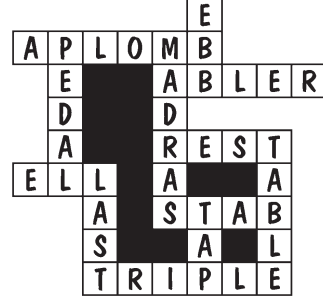
answer

All things come to him who waits — provided he knows what he is waiting for.

— Woodrow Wilson

FEAR KN&T

answer



Even Exchange

answers

1. Alert, Avert

2. Ferry, Furry

3. Patron, Patrol

4. Jolly, Polly

5. Noise, Boise
6. Ramble, Rumble

7. Newer, Never

8. Paddle, Saddle

9. Loser, Loner

10. Square, Squire

Weekly SUDOKU

Answer

1	7	4	9	8	3	6	2	5
8	6	3	2	5	7	4	9	1
2	5	9	1	4	6	7	3	8
3	1	7	6	2	8	5	4	9
9	2	6	4	3	5	1	8	7
4	8	5	7	1	9	3	6	2
5	3	1	8	9	4	2	7	6
7	4	8	5	6	2	9	1	3
6	9	2	3	7	1	8	5	4

King Crossword — Answers

Solution time: 21 mins.

M	I	S	O	L	A	D	A	M	I	D
I	D	Y	L	I	C	E	R	E	D	O
R	E	N	D	V	A	C	C	I	N	E
V	A	C	A	T	E	D	L	O	U	S
G	A	S	M	O	S					
A	N	N	E	X	R	A	Y	O	V	A
T	E	E	H	E	X	I	S	O		
M	E	D	E	V	A	C	T	I	E	I
S	A	Y	W	I	G					
A	M	A	S	S	V	A	C	U	U	M
V	A	C	A	T	I	O	N	A	S	T
E	M	M	Y	D	I	E	N	E	T	S
R	E	E	S	O	D	D	A	D	E	S

Bible Trivia Answers

Now available by Wilson Casey! 2017 Bible Trivia box calendar loaded with daily teasers.

ANSWER: (1) Old: (2) First: (3) Mordecai; (4) Tax collector; (5) Psalms; (6) Obed