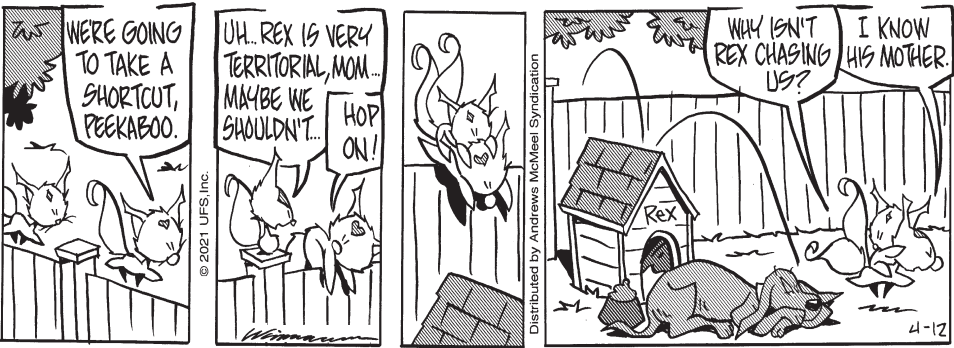


GARFIELD



ROSE IS ROSE



FRANK & ERNEST



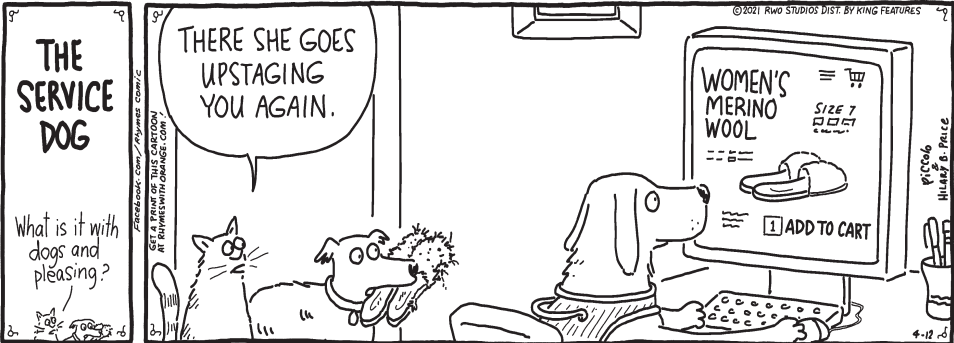
MUTTS



THE GRIZZWELLS



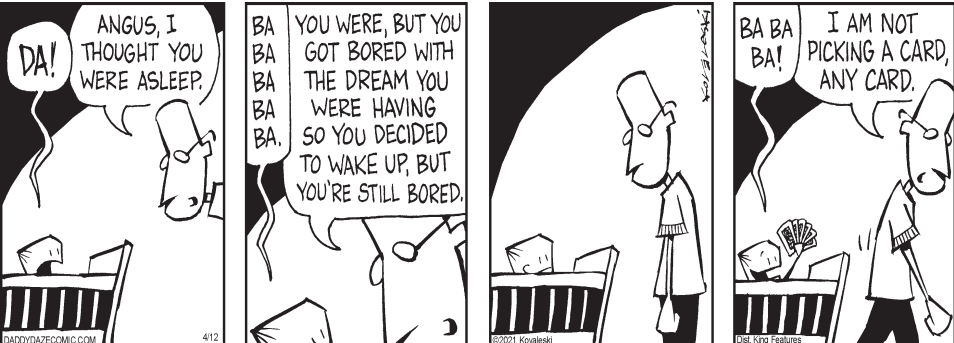
RHYMES WITH ORANGE



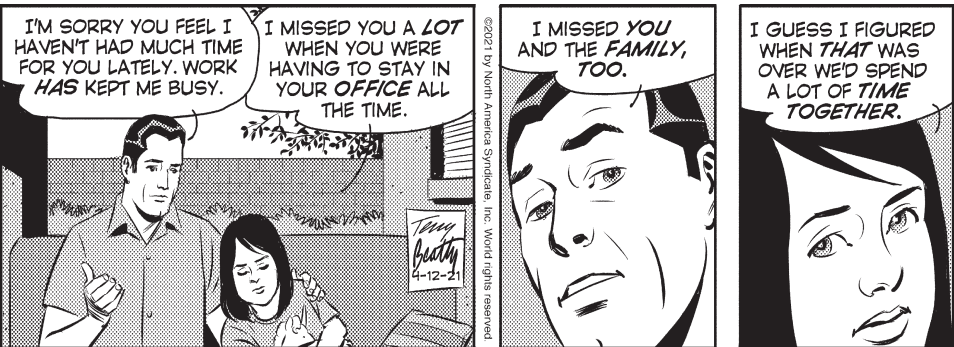
BEETLE BAILEY



DADDY DAZE



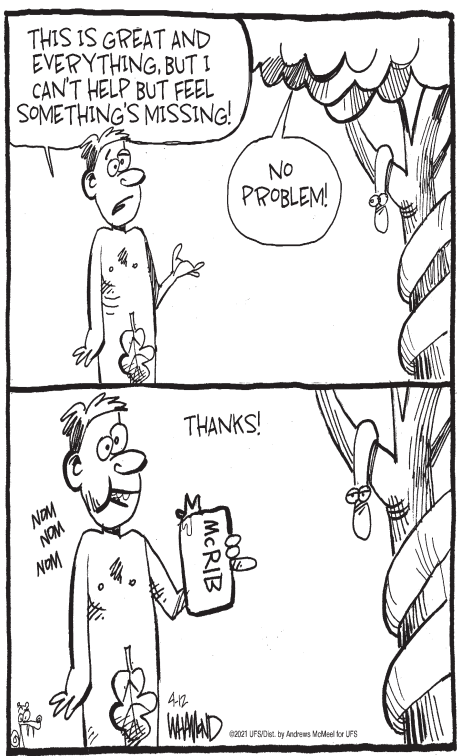
REX MORGAN



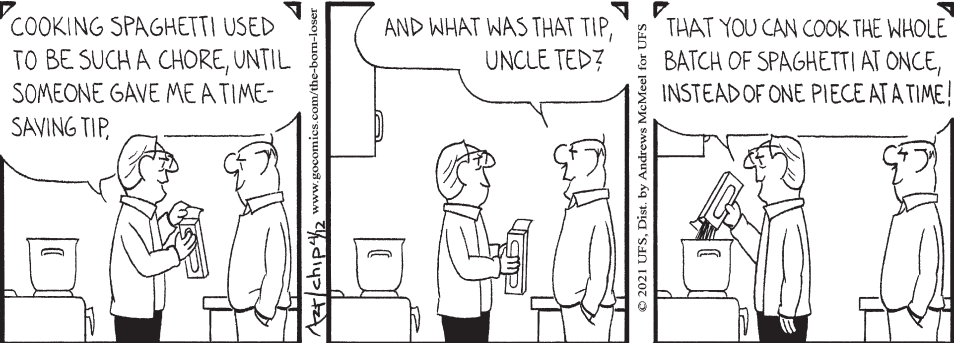
MODERATELY CONFUSED



REALITY CHECK



THE BORN LOSER



Shortcuts[®]

by Jeff Harris

GETTING INTO SPACE SUITS

This edition of Shortcuts is sponsored by Christopher SpaceWalkin'.

My acting is out of this world.

Spacesuits must be able to protect astronauts from the extreme temperatures in space, which can fluctuate from as cold as -150 °C (-240 °F) in the shade to as hot as 120 °C (250 °F) in direct sunlight.

Spacesuits protect astronauts from micrometeoroids that may be traveling in excess of 25,000 km/hr (15,500 mph).

Most astronauts wear a cooling suit underneath their protective spacesuit. The cooling suit uses hundreds of water-filled tubes to reduce the heat created by the astronaut's activity.

How do you tie the shoelaces on a spacesuit? In astro-knots.

The Manned Maneuvering Unit, or MMU, allowed astronauts to fly freely in space using 24 tiny thrusters. Astronaut Bruce McCandless became the first to fly untethered in space using an MMU in 1984.

How do you describe a spacesuit with a leak? Breathtaking.

How do clothing designers describe spacesuits? High fashion.

It takes about an hour to put on a spacesuit.

Some spacesuits may have as many as 18,000 parts.

When inside their spacecraft, astronauts do not require protective suits. Most wear regular clothing or overalls.

Some spacesuits may weigh more than 90 kg (200 lbs.).

One type is used during launch and reentry. A more robust suit is used when leaving the safety of the spacecraft.

There are two basic types of spacesuits.

When inside their spacecraft, astronauts do not require protective suits. Most wear regular clothing or overalls.

SUIT UP!

The first spacesuits evolved from suits designed for pilots who flew high-altitude spy planes in the 1950s.

In 1961, the Soviet SK-1 suit, worn by cosmonaut Yuri Gagarin, became the first to be used in space.

Word Search

Can you find the hidden words? Search carefully because some words are backward or diagonal.

DONNING SUIT CODFISHDINNER
PROTECT TUBES OREOPEECLOWNS
COOLING SPACE OUTRAINMNOONE
LAUNCH HEAT LEYTANGTEUCOP
EXTREME COLD ILONSNNIURARR
DOFFING DUST NIODIPIUSBTLO
HOSTILE TINY GTUNRTFSETEXT
DEBRIS BOB OSNOBBFECAPSE
CRAFT HOT TOHGETOOTFARC
DHANDADBOATAT

In Or Out?

SUIT YOURSELF

Can you spot all six differences between these two scenes?

GAME ANSWERS: 1. Comet is moved. 2. Tail is different. 3. Hand is missing. 4. Star is missing. 5. Mouth is different. 6. Nose is larger.