

NO. 4

TINKLE



THE
CHILDREN'S MONTHLY
FROM THE HOUSE OF
AMAR CHITRA KATHA



GREEDY
GUBANNA

THE
LIGHTNING
CONDUCTOR

MEET THE
KANGAROO

ALSO, ATALANTA'S RACE,
THE MOON IN THE WELL,
THE BEAR'S ADVICE,
TINKLE TRICKS
A TRAP

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March 1981

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GREEDY GUBBANNA

— A FOLKTALE FROM KARNATAKA

Script: Subba Rao Illustrations: M. Mahandas





SO AWAY FLEW GURBANNA
TO THE CARDAMOM FIELDS.



HE PICKED A FEW
CARDAMOMS AND
BROUGHT THEM TO
HIS WIFE.

THERE! YOUR
KHEER IS
READY.



AT LAST!

GURBANNA GRASSED THE
SPOON...



...TOOK OUT A SPOONFUL OF KHEER AND
RAISED IT TO HIS BEAK.

WAIT! IT'S
TOO HOT.



BUT GREEDY GURBANNA HAD ALREADY
SWALLOWED THE BOILING HOT KHEER.

OW...OW...

OH, DEAR! OH,
DEAR! I TOLD
YOU TO
WAIT!



UGH! YOU CALL THIS
TASTY! IT HAS
BURNT MY MOUTH!

LISTEN...



BUT GURBANNA WAS IN
NO MOOD TO LISTEN. HE
CARRIED THE POT TO THE
TANK NEAR BY...



...AND FLUNG IT INTO THE WATER.

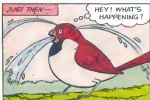


WHEN HE WENT BACK, HE WAS SHOCKED TO SEE
HIS WIFE ABOUT TO PECK AT THE KHEER THAT
WAS STUCK TO THE SPOON.

HEY! ARE
YOU MAD?







HOWEVER, GURBANNA MANAGED TO
HELP ALONG



...TILL HE REACHED
A COTTAGE.



AN OLD WOMAN OPENED THE DOOR.



I'VE LOST MY
WAY, GRANDMA.
SLUG .. GLUG ..

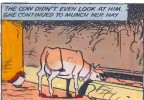
YOU POOR
THING. COME
FOLLOW
ME.



SHE TOOK HIM TO THE DOWNED.



THE COW DIDN'T EVEN LOOK AT HIM.
SHE CONTINUED TO GRUNCH HER WAY



AFTER A WHILE -



SO SHE LOOKED AROUND
FOR MORE. SUDDENLY -





MEANWHILE GUSSEY WAS WORRIED ABOUT HER HUSBAND.

I WONDER WHERE HE HAS GONE ' I'D BETTER GO AND LOOK FOR HIM

I DON'T UNDERSTAND! NOT A DROP OF RAIN AND YET THE WHOLE VILLAGE IS FLOODED!

SURPRISE!

AH! THERE HE IS!

SHE PICKED UP HER HUSBAND...

...ROSE HIGH INTO THE SKY...

AND TOOK HIM TO THE BRANCH OF A TREE.

ARE YOU ALL RIGHT ? PLEASE ANSWER ME.



Atalanta's Race

—A Greek Tale

Script: Luis M. Fernandes

Illustrations: Pradeep Sarhe

ATALANTA WAS THE DAUGHTER OF THE KING OF GREECE. SHE HAD AGREED TO MARRY ANY MAN WHO COULD BEAT HER IN A RACE.



MANY MEN TRIED, BUT FAILED.

SHE IS AS SWIFT AS A DEER.



ONE DAY A YOUNG MAN NAMED MILANION CAME TO THE PALACE.

I WISH TO RUN AGAINST THE PRINCESS.

GO BACK, SON.



YOU CANNOT HOPE TO BEAT ATALANTA. SHE IS THE FASTEST RUNNER IN THE WORLD.

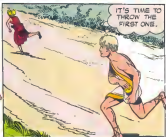
I AM A GOOD RUNNER MYSELF.



DO YOU KNOW WHAT HAPPENS TO THE LOSER? HE IS PUT TO DEATH.

I KNOW. I AM NOT AFRAID.





BUT A LITTLE LATER...



BY THE TIME ATALANTA PICKED UP THE APPLE...





A
HUNDRED
PRIZES
TO BE
WON!

TTT-4

TINKLE TRICKS & TREATS

A

Write down
what you see.

SITAR



APPLE



SNAKE



INDIA



B

Look at the costumes and name the dance

1



2



3



4



D

Make your own COLOUR DISC

Draw a circle of this size on the white card. Now mark the 4 points shown here. Join the points with the help of a ruler



Your circle now has three equal sections. Colour them in exactly the same colours as these.



You will need: S
3

Cut out the circle
stick a pencil through
the centre of it like this





Write the first letter of each word here

SO P H E L

Now arrange these letters to spell the name of an Indian state

Answer:

O P H E L S O

these
as
you find
tests

1 Black rhino



no

3 One-horned rhino



ard, a ruler, water colours,
air of scissors.

Now spin the pencil
with the disc attached
and watch the
colours vanish.
Your painted
disc will appear
white in colour.



Dear friends,

You might have heard the old story about a city-bred girl who once visited a village and saw a strange 'cow'. She asked the owner, a farmer, why his cow did not have horns. The farmer patiently explained, "This animal does not have horns because it is not a cow but a horse!"

I am sure those of you who read our feature on animals will not make such a mistake.

Seven-year-old Ravi writes that he used to wonder why sparrows roll in dust and how, after 'meeting' the sparrows in TINKLE (January 1, 1981) he knows the reason. Eleven-year-old Mohan writes that he hardly took notice of the sparrows flying in and out of his house. But after reading about them in TINKLE he has begun to observe how the sparrow hops! I am very happy that many of you find our feature on animals and science quite interesting.

Affectionately yours,

Ananthan
Uncle Pui

Solutions to the last set of puzzles.

- (A) 1. PEARL 2. PAN 3. PEN 4. — 5. EAR
6. REEL 7. PEAR 8. GAR 9. POLE 10. ROPE
(B) 1. JAPAN 2. NEPAL 3. SRI LANKA 4. BURMA
5. BANGLA DESH 6. BHUTAN 7. PAKISTAN
(C) A bird in the hand is worth two in the bush

* We are sorry for the mistake in item A4 of TTT-3. We have not considered item A4 while judging the entries — Editor.

RULES

1. Your solutions (to items A, B and C only) should be sent to us on a separate sheet of paper.
2. Each entry must have the entry coupon (printed below) attached to it.
3. Mail your entries to:—
TINKLE COMPETITION SECTION,
Indie Book House, 29, Wodehouse Road,
Bombay-400 039.



The first hundred
all-correct entries received by
us will each win a gift set
of three ECHO books

Cut here
ENTRY COUPON
T-T-T-4

MEET THE KANGAROO

Script : Ashvin
Illustrations :
Pradeep Sathe

YOU ARE IN AUSTRALIA, THE HOME OF THE KANGAROO. YOU CAN SEE HOW THEY REST AND MOVE IN LARGE GROUPS OR "MIBBS" AS THE AUSTRALIANS WOULD SAY.



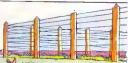
ANY THESE THREE ARE UP ON THEIR FEET WITH THEIR THICK, STRONG TAILS SUPPORTING THEM.



THEY SUDDENLY LEAP FORWARD AND THE OTHERS FOLLOW THEM. THEY'RE HUNGRY, THEY'RE OUT TO STEAL SOME GRASS.



BUT WHAT ABOUT THAT FENCE? HOW WILL THEY GET THROUGH IT?



THEY'VE LEAPT OVER IT! OVER THAT HIGH FENCE!

THEY DON'T WASTE A MOMENT, NOT A BLADE OF GRASS WILL BE LEFT WHEN THEY'VE FINISHED. SEE HOW CLOSELY THEY DROP IT.



THEY CAN DO THIS BECAUSE THEY HAVE FRONT TEETH ON BOTH JAW.

...WHILE SHEEP HAVE NO FRONT TEETH ON THEIR UPPER JAWS.

AND THE AUSTRALIAN FARMER HAD GUARDED THAT GRASS FOR HIS SHEEP. NO WONDER HE FINDS KANGAROOS A NUISANCE.

HEY! WHAT'S WRONG WITH THESE TWO HEFTY FELLOWS? WHY ARE THEY CLAWING AT EACH OTHER? OH! IT'S OVER A MATE. THE WINNER WILL GET HER.



WE'VE WAITED PATIENTLY — A WHOLE LONG MONTH. HERE IS OUR REWARD AT LAST. THE FLYER IS RESTING AND LICKING HER POUCH — WHICH MEANS SHE'S SOON GOING TO HAVE A 'JOEY' OR BABY AS WE WOULD SAY. HE'S COME. CAN YOU SEE HIM?



THEY'VE BEEN HIM COMING! HERE THEY ARE FLEEING FROM THE SCENE ON THEIR STRONG HIND LEGS WITH THEIR TAILS ACTING AS RUDDERS!



THE AUSTRALIANS CALL HE-KANGAROOS 'BOOMERS' AND SHE-KANGAROOS 'FLYERS'.



HERE IS THE RED BOOMER WITH THE FLYER. HE HAS NOW, NOW LET'S WAIT AND SEE.

HE IS JUST TWO CENTIMETRES LONG, HAIRLESS AND BLIND.

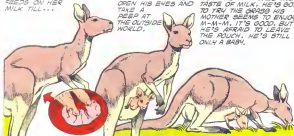


HE CAN'T SEE BUT HE CAN SMELL AND HE'S SMELLING HIS WAY INTO HIS MOTHER'S POUCH.

THERE HE SHUGGLES AND
FEEDS ON HER
MILK TILL...

...HE IS ABLE TO
OPEN HIS EYES AND
TAKE A
PEEP AT
THE OUTSIDE
WORLD.

MUCH AS HE LOVES THE
TASTE OF MILK, HE'S GOT
TO TRY THE GRASS HIS
MOTHER SEEMS TO ENJOY.
M-M-M, IT'S GOOD. BUT
HE'S AFRAID TO LEAVE
THE POUCH. HE'S STILL
ONLY A BABY.



SIX MONTHS HAVE
GONE BY. HE'S MUCH
BOLDER NOW. HE'S
COME OUT AT LAST!

BUT ONLY FOR A FEW
MINUTES. THEN BACK HE
GOES INTO THE POUCH.

TWO MORE MONTHS HAVE
GONE BY. NOW HE HAS
NO CHOICE. HE HAS
TO LEAVE THE POUCH. HE'S
TOO BIG
FOR IT!



BUT HE STILL LOVES MILK.
WHEN HE'S TIRED OF GRAZING
HE PUTS HIS HEAD INTO THE
POUCH AND HELPS HIMSELF.

HE IS NOW FOURTEEN MONTHS OLD—TOO
OLD FOR MILK! SO HE STOPS GOING TO
THE POUCH AND ROAMS WITH THE MOB
IN SEARCH OF GRASS.



HOW THE KANGAROO GOT ITS NAME

IT IS SAID THAT WHEN CAPTAIN COOK DISCOVERED AUSTRALIA, HE SAW SOME STRANGE ANIMALS THERE. HE WANTED TO KNOW WHAT THEY WERE CALLED. "KANGAROO," REPLIED A NATIVE, WHICH MEANT "I DON'T KNOW", BUT COOK TOOK IT TO BE THE NAME OF THE ANIMAL! AND SO IT HAS REMAINED EVER SINCE.

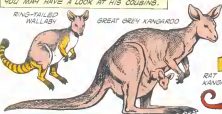


YOU HAVE MET THE RED KANGAROO. NOW YOU MAY HAVE A LOOK AT HIS COUSINS.

TREE KANGAROO

RING-TAILED WALLABY

GREAT GREY KANGAROO



RAT KANGAROO



THESE ANIMALS ARE NOT KANGAROOS BUT ALL OF THEM HAVE ONE THING IN COMMON WITH THE KANGAROO— THE FEMALES HAVE A POUCH FOR THEIR YOUNG.

LONG-NOSED BANDICOOT

TASMANIAN WOLF

KOALA



CROSSUM



WOMBAT



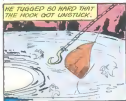
NEXT MONTH: MEET THE ANT

THE MOON IN THE WELL

Script: Sudha Rao
Illustrations: Rishi Wankar

ONE NIGHT A MAN WENT TO HIS WELL TO FETCH WATER.





THE LIGHTNING CONDUCTOR

Script Luis M Fernandes

Illustrations Pradeep Sathe

FOR CENTURES PEOPLE DID NOT KNOW WHAT LIGHTNING WAS. ANCIENT INDIANS BELIEVED THAT IT WAS LORD INDRA'S WEAPON



THE ROMANS BELIEVED THAT IT WAS JUPITER'S.



ALL SUCH MYTHS WERE ENJOINED IN THE EIGHTEENTH CENTURY BY AN AMERICAN NAMED BENJAMIN FRANKLIN.



ONE STORMY DAY, HE SENT UP A KITE WITH A METAL KEY TIED TO A STRING.



HE WAS OUT TO PROVE THAT LIGHTNING WAS AN ELECTRIC CHARGE COMING DOWN.

AFTER THE KITE HAD BEEN UP FOR SOME TIME, HE BROUGHT HIS FINGER NEAR THE KEY, IT GAVE OFF SPARKS.



THIS HAPPENED BECAUSE ELECTRIC CHARGE FROM A CHARGED CLOUD HAD COME DOWN TO THE KITE AND HAD TRAVELLED DOWN THE WET STRING.



IT WAS A VERY DANGEROUS EXPERIMENT, BENJAMIN FRANKLIN COULD HAVE GOT KILLED IF THE CHARGE ACQUIRED BY THE KITE HAD BEEN MORE POWERFUL.

BUT NOW HE HAD PROOF THAT LIGHTNING WAS AN ELECTRIC DISCHARGE. PUTTING THIS KNOWLEDGE TO USE, HE BUILT THE FIRST LIGHTNING CONDUCTOR...



...AND PUT IT UP ON THE ROOFE OF A BUSINESSMAN IN PHILADELPHIA.

DURING THE MOONMOON WHEN THERE ARE STRONG WINDS, THE CLOUDS RUB AGAINST EACH OTHER AND DEVELOP ELECTRICAL CHARGES.



LATER, WHEN THE WINDS DIE DOWN, THE CLOUDS STOP MOVING AROUND SO MUCH.



IF ONE SUCH CLOUD STOPS OVER A BUILDING, THE PORTION OF THE BUILDING NEAREST THE CLOUD ACQUIRES OPPOSITE CHARGE.



WHEN THE CHARGE IS POWERFUL ENOUGH IT MAKES THE CHARGE FROM THE CLOUD COME DOWN.



THIS RESULTS IN LIGHTNING.



THE LIGHTNING CONDUCTOR IS NOTHING BUT A METAL ROD ATTACHED TO THE TOP OF THE BUILDING. THE METAL ROD IS CONNECTED TO THE EARTH BY A COPPER WIRE.



IF A BUILDING HAS A LIGHTNING CONDUCTOR AND THERE IS A CHARGED CLOUD OVER THE BUILDING, THEN IT IS THE CONDUCTOR WHICH ACQUIRES THE OPPOSITE CHARGE BECAUSE IT IS NEARER TO THE CLOUD.



THIS OPPOSITE CHARGE IS CONTINUOUSLY SENT DOWN INTO THE EARTH THROUGH THE COPPER WIRE IN THE CONDUCTOR, BY NOT PERMITTING THE OPPOSITE CHARGE TO BECOME POWERFUL ENOUGH TO MAKE THE CHARGE FROM THE CLOUD COME DOWN, THE CONDUCTOR PREVENTS LIGHTNING.



IN THE BEGINNING, PEOPLE DID NOT WANT TO USE LIGHTNING CONDUCTORS. THEY FELT THAT IF GOD WANTED TO STRIKE A PARTICULAR BUILDING WITH LIGHTNING, IT WAS NOT RIGHT FOR MAN TO STOP HIM.



NOWADAYS, LIGHTNING CONDUCTORS ARE A COMMON SIGHT, EVERYWHERE.



THUNDER AND LIGHTNING OCCUR AT THE SAME TIME BUT WE SEE THE FLASH OF LIGHTNING BEFORE WE HEAR THE RUMBLE OF THUNDER. THIS HAPPENS BECAUSE LIGHT TRAVELS FASTER THAN SOUND.



IF YOU ARE CAUGHT IN THE OPEN DURING A THUNDER-STORM, NEVER STAND UNDER A TREE OR NEAR IT. A TREE, BECAUSE OF ITS HEIGHT, WILL BE THE FIRST TO GET HIT BY LIGHTNING.

Kalia THE CROW

Script
LUIE
Illustrations
PRADEEP SATHE

ONE DAY AS CHAMATAKA WAS
LOOKING FOR FOOD —

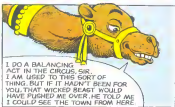
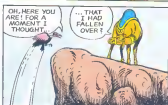




FORTUNATELY FOR THE CAMEL, KALM WAS FLYING PAST JUST THEN—







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March 1, 1988

Sd/-
Hargobind G. Merchandani
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Jeevan and Hanu introduce:

The World's Oddest Figures



◀ The shortest adult ever known was *Pauline Musters* of Holland. At 19 years she measured merely 23.2 inches!

▶ The world's heaviest human was *Robert Hughes* of the U.S.A. - he grew from an 11-14 pound baby to a 1,069 pound adult.



The longest human neck: the 15 5/8 inch record is held by a woman of Burma's *Padung* tribe. Copper coils are fitted around the neck to elongate it! ▶



▶ The world's tallest man was *Robert Wadlow* of the U.S.A. His height at 20 years - 8 feet 11-1 inches!



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Next: The Two Find-outers say hello to the world's human-est creatures.