


Look-in

Junior TVTimes No 23 w/e 12 June 1971 Every Friday 5p



DISASTER!
SEE BACK COVER AND CENTRE PAGES



Crowther in trouble

Leslie's work becomes a 'washout'...

TODAY I'M GOING TO ERECT MY 'DO-IT-YOURSELF' GARDEN SWING. MUST MAKE AN EARLY START...



I'VE ALWAYS WANTED ONE OF THESE LUXURY SWING-SEATS. AND IT'S VERY EASY TO ASSEMBLE!



BUT THEN...



I WOULDN'T PUT THE SWING UP TODAY, LESLIE! THE WEATHER FORECAST SAID SCATTERED SHOWERS!

DON'T BE SILLY—ANYONE CAN SEE IT WON'T RAIN TODAY! BESIDES, THE SWING'S WATERPROOF!

A LITTLE LATER...



I'M TAKING THE FAMILY TO AUNTIE'S FOR THE DAY, LESLIE! HAVE YOU GOT YOUR FRONT DOOR KEY?

HLH, I'VE JOINED THE WRONG PIECES TOGETHER! SOON HAVE 'EM APART... GRUNT!

LESLIE ISN'T LISTENING, THEN...



DOOF, I'VE LOST MY BALANCE!

CRAAASH!



HELP!

SOMEONE'S TURNED THE LIGHTS OUT!

AT LAST...



EVEN IF I DO SAY IT MYSELF, I'VE DONE A GOOD JOB! WAIT TILL JEAN SEES IT!

SLIDENLY...



HECK! I THINK IT IS GOING TO RAIN AFTER ALL!

WHEN HE REACHES THE DOOR...



BOOOOM!

GOOD GRIEF! JEAN'S GONE OUT FOR THE DAY, AND I DIDN'T TELL HER MY KEY WAS INDOORS!



STILL, NO MATTER—I'LL SHELTER UNDER THE GARDEN SWING—IT'S COMPLETELY WATERPROOF!



JUST MY LUCK—I'M SOAKED!

I'M WRITING TO COMPLAIN ABOUT THE GARDEN SWING! SO MUCH FOR IT BEING WATER-PROOF!

A message from the Time Travellers!



CHERYL BURFIELD and SPENCER BANKS, stars of Timeslip, have stopped off during their adventures to pass on a message to all the thousands of LOOK-IN readers who have written to them, at the addresses published recently in the magazine. Both Cheryl and Spencer are currently wading through their mail and are hoping to reply to every one of you as soon as possible. So keep a close eye on the post. YOU can expect a letter in the future!

The missing submarine

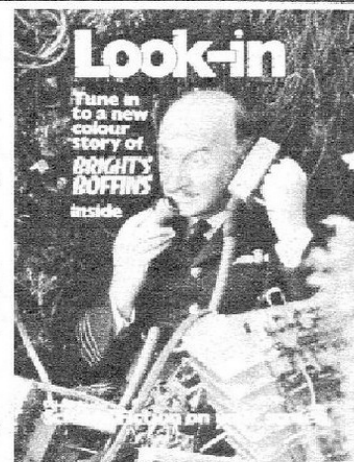
In LOOK-IN No. 19, mention was made of Skydiver, the submarine from ATV's science-fiction series UFO. Owing to an error the photograph reproduced was of S.I.D., the Shado satellite. In response to all the readers who noticed this mistake we are putting the matter right by showing Skydiver as it should be.



Look out for next week's Look-in



... when UFO and other TV science-fiction programmes (like 'Lost in Space', left), are presented in an exciting full-colour feature. Also, next week, a hilarious new strip cartoon story begins—featuring Bright's Boffins. Plus 'All that Jazz'—winners. **ORDER YOUR COPY NOW!**



A sabre flashes—but Simon dodges just in time!

TIMESLIP

LIZ SKINNER AND SIMON RANDALL HAVE THE INCREDIBLE ABILITY TO PASS THROUGH THE INVISIBLE TIME-BARRIER, MOVING BACKWARDS OR FORWARDS THROUGH THE AGES. IN LONDON, AT THE TIME OF THE GREAT FIRE OF 1666, THEY RESCUE A CHILD FROM A BLAZING HOUSE AND GET HIM TO THE EDGE OF THE CITY. THERE, THEY TURN TO THE WRONG SORT OF PERSON FOR HELP!

THAT THERE'S JUDGE CRAVEN'S BRAT! THERE'LL BE A REWARD AND BARNABY SCALE MEANS TO CLAIM IT!

OUT, LIZ! ROUND HIS RIGHT SIDE!

PLAGUE TAKE YE!

THE MAN AIMS A VICIOUS SWING WITH HIS CUTLASS...

CURSING, SCALE TEARS THE BLADE FREE. BUT, THEN...

NNNGGG!

'SBLOOD! WHAT HAPPENS HERE? DO YOU WREAK TERROR AGAINST HELPLESS CHILDREN, YOU NOISOME ROGUE?

GAAHH! OUT OF MY WAY, GALLANT, ELSE MY STEEL CLEAVES THEE, TOO!

STEEL RINGS ON STEEL AND THE BULL-LIKE SCALE IS NO MATCH FOR THE STRANGER'S FLASHING BLADE!

KEEP CLEAR, MY YOUNG ONES! FRIEND SCALE INVITES A LESSON IN SWORDPLAY!

YAAAAGH!

YOU TAKE MY POINT, SCALE! NOW RUN, BEFORE I SPIT YOU LIKE A FLANK OF ROAST!



GOSH, ARE WE GRATEFUL, MISTER... ER...

CAPTAIN GALLANT, YOUNG LADY. BUT COME—OUR FRACAS HAS ROUSED THE WATCH, I FANCY...



THINGS MOVE SWIFTLY, SO MUCH SO THAT LIZ AND SIMON CAN'T COLLECT THEIR THOUGHTS!

INTO THE COACH WITH YOU! THE CONSTABLES ARE SCARCELY LESS BRUTAL THAN FRIEND SCALE, I ASSURE YOU!

BUT...



AWAY, FELLOW! OUR NEED IS GREATER THAN YOURS!

HEY!



THE BLACKGUARD'S STOLEN MY COACH! STOP HIM!

TUSH, YOU KNAVE! D'YOU THINK WE'RE POSSESSED OF WINES?



NOW THE OPEN ROAD BEYOND CHARING CROSS...

YOU'VE PINCHED THIS! YOU'LL GET INTO TERRIBLE TROUBLE!

TROUBLE'S MY TRADE, MY BUCKO! CAPTAIN GALLANT LIVES IN THE SHADOWS OF THE GALLOW-TREE, LIKE MANY ANOTHER ROADSIDE PISTOLEER!

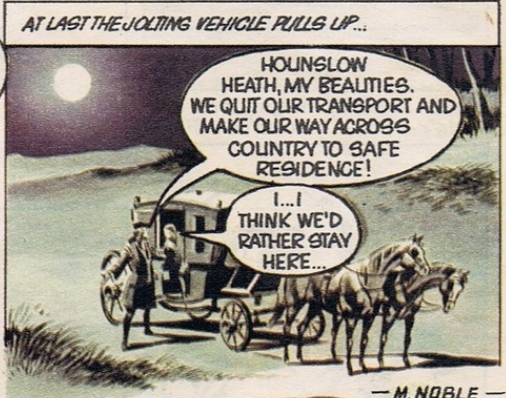


HE'S A HIGHWAYMAN, LIZ!



IT'S RIDICULOUS! I USED TO HAVE DAYDREAMS ABOUT BEING CARRIED OFF BY A HANDSOME HIGHWAYMAN...

IT'S NO JOKE! WE'VE GONE WITH HIM, AND THAT MAKES US JUST AS GUILTY OF STEALING THIS COACH AS HE IS!



AT LAST THE JOLTING VEHICLE PULLS UP...

HOUNSLOW HEATH, MY BEAUTIES. WE QUIT OUR TRANSPORT AND MAKE OUR WAY ACROSS COUNTRY TO SAFE RESIDENCE!

I... I THINK WE'D RATHER STAY HERE...

— M. NOBLE —



FOR WHAT PURPOSE? COME—FOOD AND SHELTER AWAITS, AND YOU'LL COME TO NO HARM WITH CAPTAIN GALLANT!

HE'S RIGHT, LIZ. BESIDES, THERE'S NO USE GOING BACK TO LONDON. THE WHOLE CITY'S ABLAZE BY NOW.



THE TIME-BARRIER'S SOMEWHERE AT THE HEART OF THE FIRE, SIMON. HOW ARE WE EVER GOING TO GET BACK TO IT?

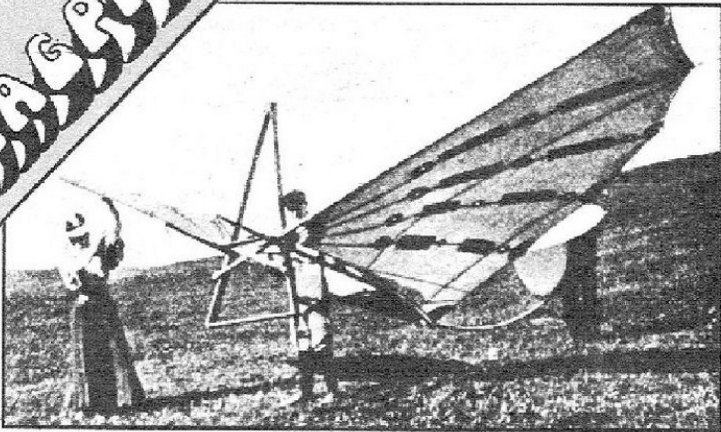
WE LANDED IN LONDON BY A FREAK OF CHANCE, LIZ. WE KNOW THE NORMAL TIME-BARRIER'S ON THE CLIFFS AT SAINT OSWALD.



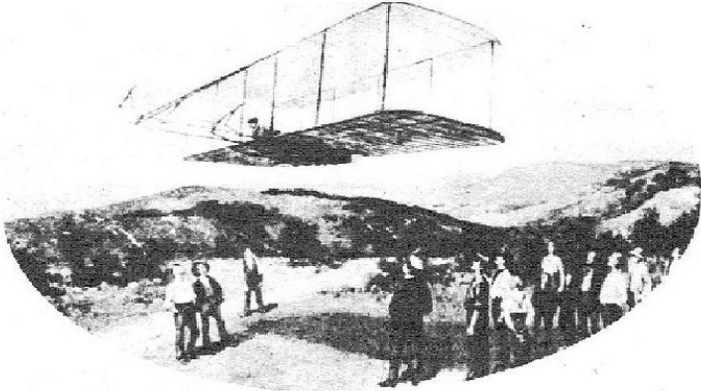
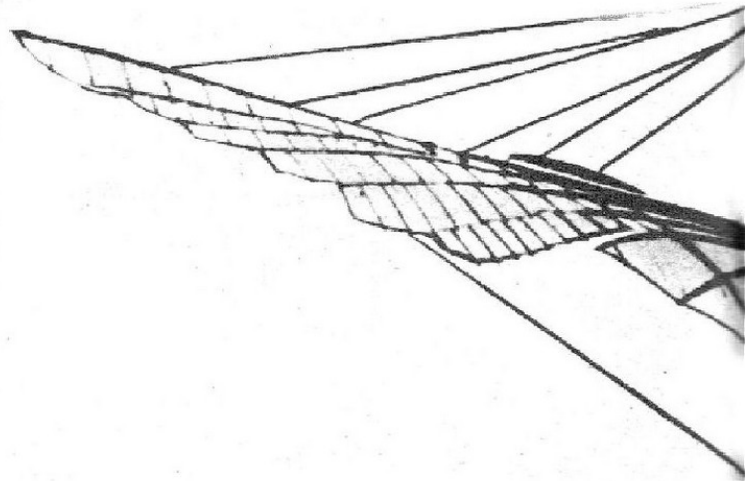
I DON'T KNOW HOW WE'RE GOING TO MANAGE IT, BUT SOMEHOW, WE'VE GOT TO GET DOWN TO CORNWALL IF WE'RE EVER GOING TO REACH OUR OWN TIME AGAIN!

Continue this thrilling tale next week!

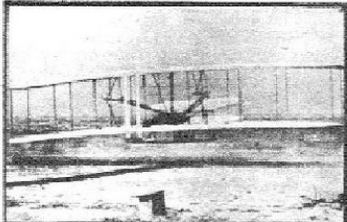
WINGS



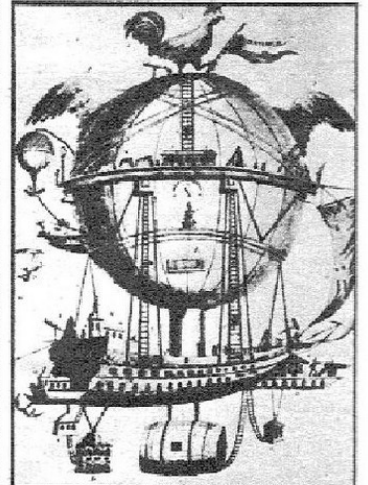
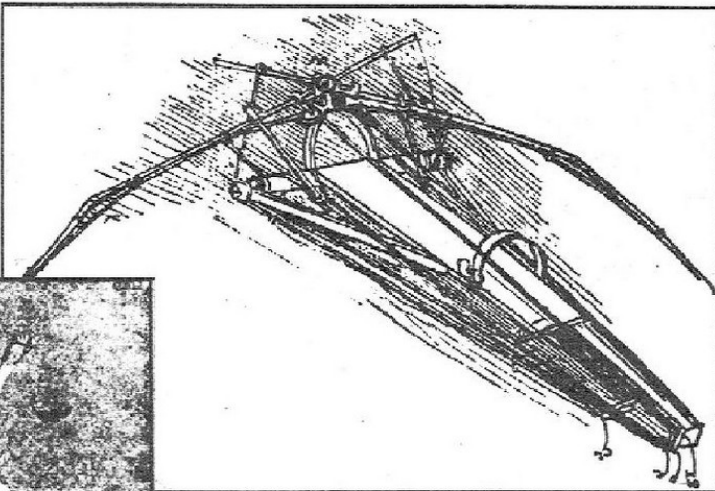
Above: An early flying machine of the type used in the late 19th century!



Above: A Wright glider sailing against the wind at Kittyhawk in 1904



Above: Orville Wright and the world's first successful flight!

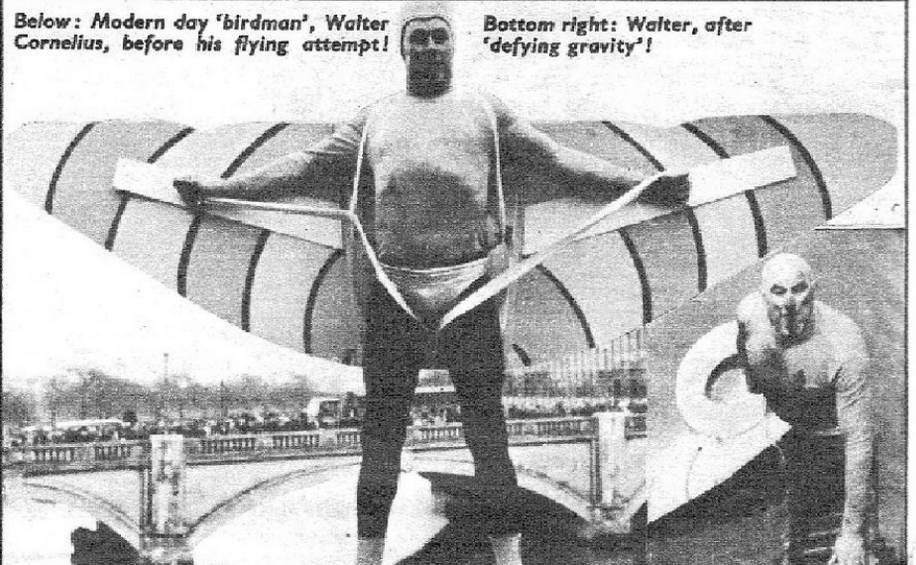


Above: A flying machine designed by Leonardo Da Vinci! E. G. Robertson designed this fantastic and ingenious craft in 1804!

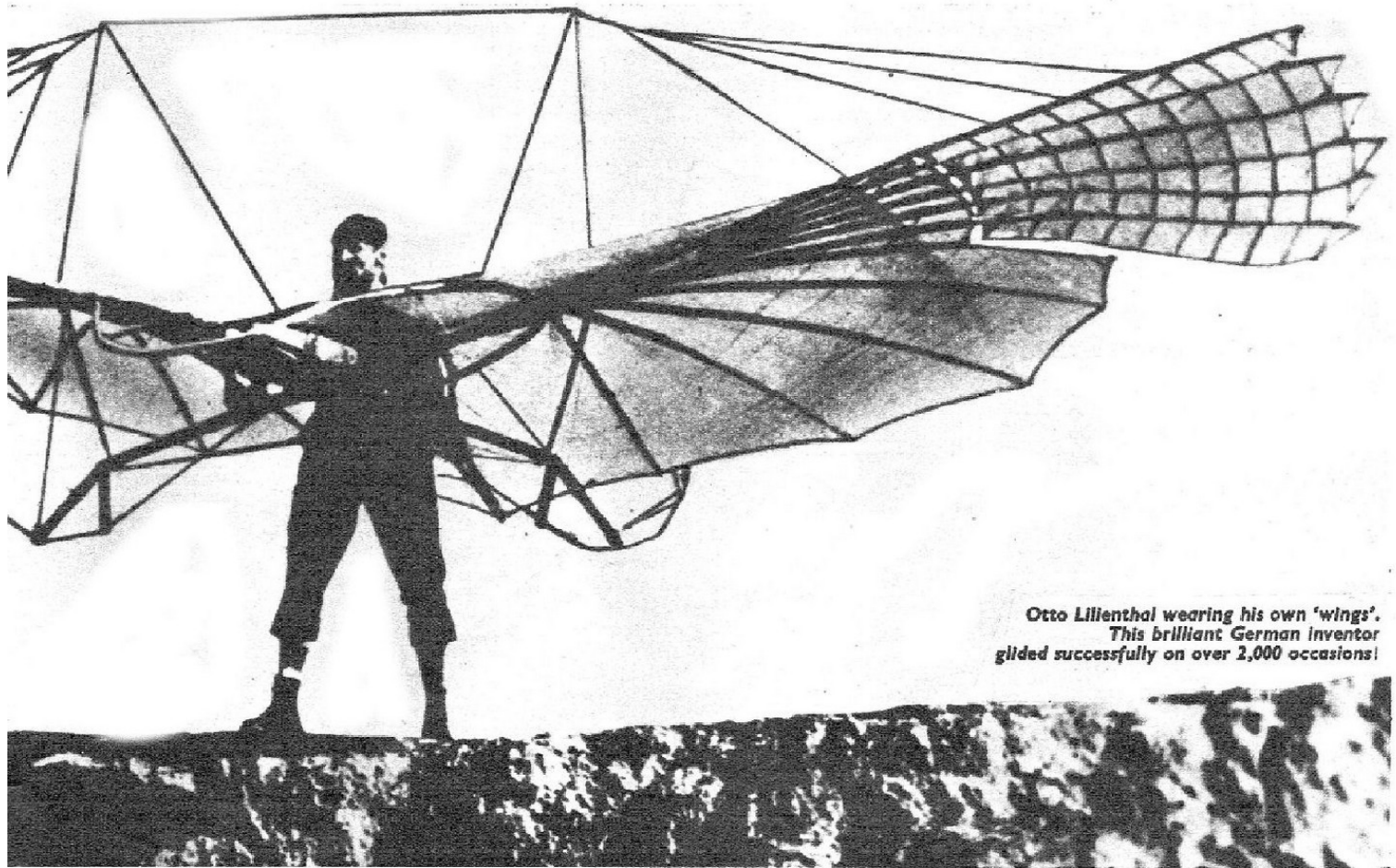


Above: The mythical Icarus crashes earthwards!

Below: Modern day 'birdman', Walter Cornelius, before his flying attempt!



Bottom right: Walter, after 'defying gravity'!



Otto Lilienthal wearing his own 'wings'.
This brilliant German inventor
glided successfully on over 2,000 occasions!

Strictly for the Birdmen!

For centuries man has wanted to fly like a bird. This longing to glide through the air has caused many brave and adventurous inventors to have nasty crashes.

According to legend, the man who first caught the 'flying bug' was a character in Greek Mythology called Daedalus. He and his son, Icarus, were trapped in the notorious labyrinth in Crete. The only escape route involved going *upwards*, so Daedalus made wings with feathers and held them together with wax. Soon he and Icarus were soaring up into the blue sky.

But then . . . disaster! Icarus was so excited at flying that he went too near the sun. The wax holding his wings together melted in the heat and he plunged to a watery end in the Aegean Sea.

Since then, many other people have tried to fly. Take Leonardo Da Vinci, for example. He was famous for his beautiful paintings and wonderful sculptures. But he was also interested in defying the laws of gravity. One of the machines he constructed to help him accomplish his ambition is shown in the illustrations. Leonardo Da Vinci's theories rested

upon the fact that the world's natural fliers, the birds, had the best way of travelling through the air. So, he drew his own conclusion that flight could be accomplished by copying nature with mechanical contrivances. Of course, in practice, such theories hardly ever lived up to the test. And Leonardo Da Vinci, despite his genius, never flew.

The noted German scientist and inventor, Otto Lilienthal, was another man who longed to become 'airborne'. His views on how this could be done were very similar to those of Da Vinci. He made careful observations of the flight of birds and eventually succeeded in constructing a craft that could glide. He continued to research the possibilities of more advanced flight and made over two thousand glides safely.

Then, on August 9th, 1896, Lilienthal made his last glide. His machine was upset by a sudden gust of wind and he was killed near Rhinow in 1896.

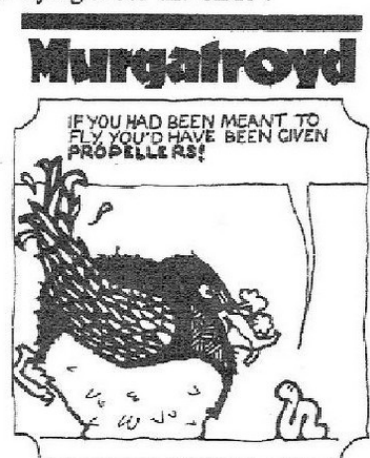
Since those two great men tried to fly, the aeroplane and the space rocket have been invented. Many of these modern craft can travel faster than the speed of sound. Had Da Vinci and Lilienthal seen what the future held in store for aviators

they would surely have been amazed.

Despite tremendous scientific advances though, man still hasn't managed to fly *under his own power!*

One of the latest attempts by a twentieth-century would-be birdman was made by Walter Cornelius at Peterborough. He took up a wager and tried to propel himself across the River Nene, with a pair of home-made wings.

Unfortunately, he came 'down to earth' or rather, 'water', with a splash! Surely the moral of these stories must be that 'flying is for the birds'!





Some people have an inexplicable bond with animals—a strange understanding that goes beyond any reasoned explanation. Kenneth Cope, who stars as Marty Hopkirk (Deceased), selects this supernatural tale. "My dog once went berserk when he discovered a ghost in my cottage. The result was that I had to sleep in another room—with the light on all night!" commented Kenneth.

CALL OF THE UNKNOWN

THIS IS THE STORY OF A CHINOOK INDIAN BOY CALLED ARBOR—SON OF CHARKA THE HUNTER—WHO LIVED WITH HIS PARENTS AND YOUNGER SISTER TANAN, HIGH IN THE ROCKY MOUNTAINS OF CANADA...



THEY WERE OUT HUNTING ONE DAY, CHARKA AND HIS CHILDREN...



I'LL COLLECT SOME WILD FLOWERS FOR MOTHER ON THE UPPER RIDGE.

LET'S HEAD FOR THE LOWER GORGE, FATHER. I SAW FRESH CARIBOU TRACKS THERE YESTERDAY.

VERY WELL.

BUT AS THEY PARTED...

TANAN—SHE'S FALLEN INTO A GULLY! COME, ARBOR!



YAAAAH!

BREATHLESSLY, THEY SLITHERED DOWN THE SLOPE—AND THEN STOPPED DEAD!

GRRR—ARROWNR!

BY THE SCENT OF THE MUSK-RAT—A WOUNDED FEMALE GRIZZLY!

YES—OUT OF HER MIND WITH RAGE AND PAIN, I'LL HAVE TO SHOOT THE BRUTE!



NO, FATHER! LEAVE IT TO ME... I THINK I CAN HELP HER!

STOP, ARBOR! THE BEAR WILL TEAR YOU TO PIECES!

BUT IT WAS JUST THEN THE BOND WAS BORN! A STRANGE SUPERNATURAL UNDERSTANDING BETWEEN BOY AND BEAST.

EASY, MY BEAUTY—I'LL NOT HARM YOU—EASY!



IT'S UNCANNY! THE BEAR'S RESPONDING—IT SEEMS TO UNDERSTAND EVERY WORD THAT ARBOR IS SAYING!



THERE! A SPLINTER MADE HER PAW SEPTIC! I'LL TAKE HER BACK TO THE CABIN AND TREAT IT. HOW IS TANAN, FATHER?

APART FROM A SPRAINED ANKLE, FINE! BUT, ARBOR—ABOUT TAKING THE GRIZZLY BACK—ARE YOU SURE?



PERFECTLY! SHE AND I ARE FRIENDS FOR LIFE! I FEEL IT DEEP INSIDE ME, FATHER!

I LIKE THIS NOT! NEVER BEFORE HAVE I SEEN SUCH A THING!

BUT ALL THAT SUMMER THE GRIZZLY STAYED, AND ARGOR NAMED HER STOROK - WHICH MEANS 'MAIDEN OF THE HIGH PLACES'...



HO, FATHER, STOROK HAS TOLD ME HOW HAPPY SHE IS - WITH ME AS HER FRIEND!



A BEAR TALKS WITH MY SON? SURELY IT CANNOT BE! HE, TOO, IS HAPPY - YET I FEEL ONLY DREAD IN MY HEART!



THEN ONE DAY, AS AUTUMN CAME, CHARKA FOUND HIS SON CRYING BITTERLY...



FATHER, STOROK HAS GONE! RETURNED TO THE MOUNTAINS BEFORE THE SNOWS CAME - SHE SAID THE CALL OF THE WILD WAS TOO STRONG!

WHAT MUST BE, MUST BE, MY SON! YOU WILL SOON FORGET HER!

ARGOR DID NOT FORGET! AS WINTER CAME, HE GREW INCONSOLABLE - AND A RAGING FEVER DRAINED HIM OF STRENGTH...



DAILY HE GROWS WEAKER, CHARKA. IS THERE NOTHING WE CAN DO?

THE SNOWS ARE TOO DEEP TO FETCH HELP - AND FOOD IS DESPERATELY SHORT! UNLESS THERE IS A BREAK IN THE WEATHER WE SHALL ALL STARVE!

WITH THE FEVER RAGING IN HIS BRAIN, ARGOR RIPPED OPEN THE DOOR, AND...

THE WEATHER GREW WORSE. ONE NIGHT, AS A RAGING BLIZZARD HOWLED...



STOROK! FATHER, I CAN HEAR HER CALLING TO US! CALLING FROM THE MOUNTAIN!

IT IS ONLY A NIGHTMARE, AND THE WHISTLE OF THE WIND ALL BEARS ARE ASLEEP NOW FOR THE WINTER - IN HIBERNATION.



GAAAH!

NO! I CAN HEAR HER VOICE! SHE WANTS ME TO GO TO HER - NOW!

THERE SHE IS! I CAN SEE HER! STANDING ON THE RIDGE - WAITING FOR ME!

DON'T GO AWAY, STOROK! WAIT! I AM COMING, OLD FRIEND - COMING!



ARGOR, IT WAS ONLY A FLURRY OF SNOW - COME BACK!

BUT IT WAS TOO LATE! NEXT MOMENT, THE BOY HAD VANISHED INTO THE BLIZZARD...



FATHER - HIS FOOTSTEPS LEAD STRAIGHT TOWARDS THE UPPER GORGE!

AND A SHEER DROP OF TWO HUNDRED FEET TO THE RIVER BELOW!



PLEASE SIR!

IN THE STAFF-ROOM ONE MORNING...

STAND CLEAR, STAFF! NORMAN INTENDS TO DEMONSTRATE HOW TO THROW A LIFE-BELT CORRECTLY...

HE'LL WRING HIS OWN NECK WITH IT, IF HE'S NOT CAREFUL, BOYO!

BUT, SUDDENLY...

WHAT IN...? OOOOMPH!

OH, 'ECK! I'VE BELTED HIM ONE!

THUD!

S... SORRY, HEADMASTER! ER... EXPECTING A RAINSTORM, EH?

CHILDISH COMMENT, HEDGES - LIKE YOUR BEHAVIOUR! YOU PUSHED THE DOOR DELIBERATELY...

MISTER POTTER HAS KINDLY OFFERED HIS SERVICES TO TRAIN FIVE 'C' AT LIFE-SAVING. HE WAS GIVING US AN EXAMPLE - NOW I SHALL SET ONE...

A FEW MINUTES LATER...

NEVER MIND, 'EDGES! I'LL LET YER 'AVE A CUP OF RUBY'S COFFEE AFTERWARDS...

JUST MY LUCK! CROMWELL SAYS I'VE GOT TO BE THE 'VOLUNTEER' FOR NORMAN'S DEMONSTRATION AT THE BATHS, THIS AFTERNOON...

FIVE 'C' ARE SYMPATHETIC...

THAT'S JUST GREAT! YOU'VE GOTTA 'STOUGE' FOR THAT CLOWN.

IT'S UTTERLY UNTHINKABLE! SUCH A BULLY IS NORMAN!

POOR, DEAR!

THAT AFTERNOON, AT THE POOL...

HEDGES, I SHALL WATCH AS NORMAN GIVES INSTRUCTION. WE MIGHT ALL BENEFIT FROM HIS EXPERT KNOWLEDGE...

COR! IT'S COLD - I WISH I WAS AN 'ORSE! ME COAT WOULD KEEP ME WARM!

POTTER ARRIVES...

'ERE! IT'S LIFE-SAVING, NORM! - YOU'D SCARE PEOPLE TO DEATH IN THAT!

AHEM, ALL READY, SIR! SHALL I BEGIN...?

TUITION GETS UNDER WAY...

ONCE MISTER 'EDGES IS LYING ASCONCE IN THE WATER, I SHALL ACTIVATE LIFE-SAVING PROCEDURE...

POOR LOVE! HIS LITTLE CHEEKS ARE GOING BLUE - IT'S TORTURE!

LISTEN, YOU LOT! I KNOW HOW TO KNOCK THE WIND OUT OF NORM'S SAILS. WE GOTTA PROTECT PRIVET'S INTERESTS...

JUST TELL FRANKIE ABBOTT WHAT TO DO - I'M YER MAN!



AND SO...

TELEPHONE CALL FOR YOU, 'EADMASTER! IT'S IN THE POOL'S OFFICE...



OH, FICKLE FATE! I'LL MISS THE 'RESCUE'...

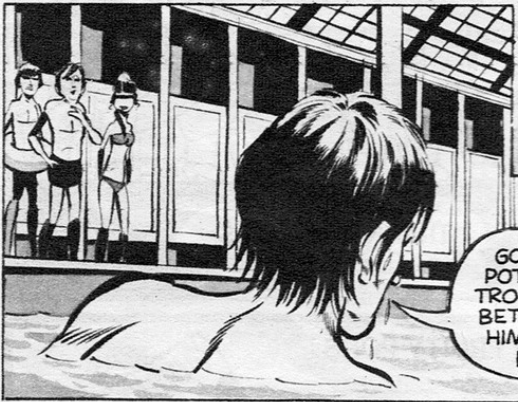


FRANKIE'S WORKED A FLANKER - NOW'S ME CHANCE...



WA - HEEEEEEY! WATCH IT, NORM!...

GLUUUPPP!



GOOD GRIEF! POTTER'S IN TROUBLE - I'D BETTER PULL HIM OUT THE POOL...

AS THE HEADMASTER RETURNS...



HURRAAY! NORMAN LOST 'IS NERVE! LUCKY YOU WERE NEAR, SIR!

IT... ER... SEEMS I HAVE TO CONGRATULATE YOU, HEDGES. YOU SAVED NORMAN WHO, I GATHER, BECAME CONFUSED. MY APOLOGIES!

TH... THANK YOU, HEADMASTER. IT... ER... WAS NOTHING REALLY.

THE CALLER HAD GONE... I... HULLO... I DON'T BELIEVE IT!



LIFT OFF

With groups changing their members so frequently these days, it's unusual to find one that started out as six separate musicians—who have remained doing independent jobs as well as playing together—and who have retained a wonderful group image.

Such is the Blue Mink, who consistently produce hit records. All the members were regular musicians—that is they provided the 'backing' music for other people's records. Then, one day, they decided to get together and make a disc of their own. It was called *Melting Pot* and was a huge hit.

Since then, as I said before, they have continued to work individually as well as producing good music as a team.

With his partner, Roger Greenaway, the group's lead male vocalist, Roger Cook, is one of the most famous song-writers in the



Roger Cook Madeline Bell

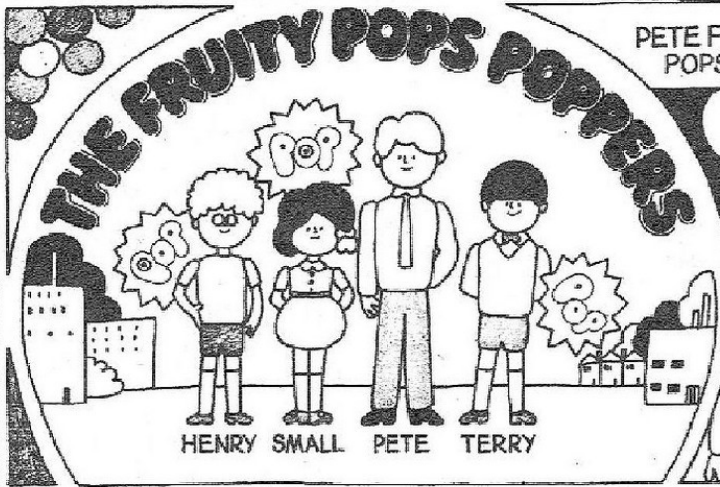
country. They started out as singers David and Jonathan.

The Blue Mink's girl vocalist, Madeline Bell, has one of the finest voices in the world, and can regularly be heard backing such famous stars as the Beatles.

The rhythm section of the group provides the backing on *Top of The Pops*, each week, and drummer Barry Morgan is featured in Roger Whittaker's *Show* every Saturday. Believe it or not, but they all still find time to join up!

This week, Blue Mink were in the studios working on both a new single and an album to follow their marvellous current record '*Bannerman*'. I sincerely hope they keep up their happy and successful relationship.

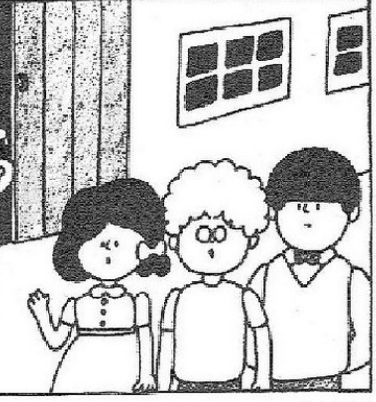
Agnes



HENRY SMALL PETE TERRY

PETE FIRST NOTICED SOMETHING WAS WRONG AT THE FRUITY POPS FACTORY. (CAN YOU SEE WHAT HE SPOTTED?)

I THINK WE SHOULD INVESTIGATE.



THEY'RE SPIES TRYING TO STEAL THE SECRET FRUITY POPS FORMULA.



PLAN FOUR.



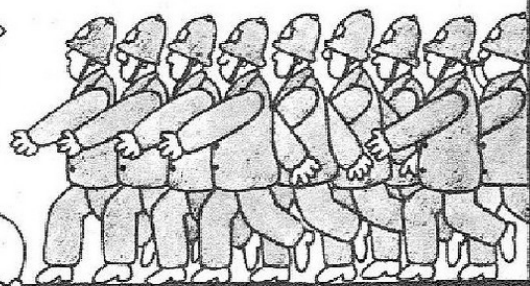
SILENTLY TERRY CREPT ACROSS THE FLOOR AND PLACED A PACKET OF FRUITY POPS ON THE DESK.



HEY, SAM DO YOU WANT A FRUITY POP?

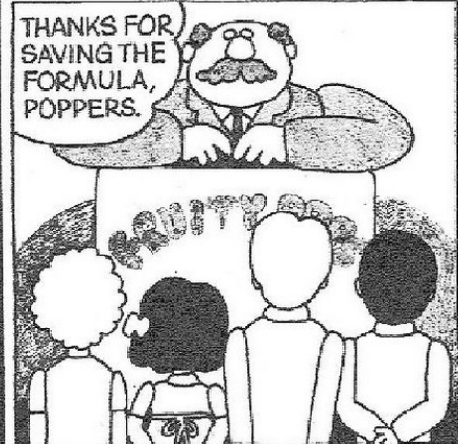


FRUITY POPS POP WITH FLAVOUR.



THANK GOODNESS, IT'S THE POLICE.

TWO DAYS LATER IN THE MANAGING DIRECTOR'S OFFICE.



THANKS FOR SAVING THE FORMULA, POPPERS.

AND AS A REWARD HE GAVE THEM A HUGE CASE OF..... FRUITY POPS. FRUITY POPS POP WITH FLAVOUR.

PROVE TO YOUR FRIENDS THAT FRUITY POPS POP WITH FLAVOUR.

EQUIPMENT: ONE DRY, EMPTY MILK BOTTLE. ONE BIG BALLOON. ONE PIN. ONE PACKET OF FRUITY POPS.

INSTRUCTIONS: TAKE A FEW FRUITY POPS AND PUT THEM INTO THE MILK BOTTLE. NOW STRETCH THE BALLOON OVER THE NECK OF THE BOTTLE AND TIP THE BOTTLE UPSIDE DOWN, SO THAT THE FRUITY POPS TIP INTO THE BALLOON.

NOW BLOW UP THE BALLOON AND KNOT IT TIGHTLY. ANNOUNCE TO YOUR FRIENDS YOU CAN PROVE FRUITY POPS POP WITH FLAVOUR, THEN TAKE THE PIN AND BURST THE BALLOON. WATCH THEIR AMAZEMENT AS FRUITY POPS POP ON TO THE TABLE AS IF BY MAGIC!



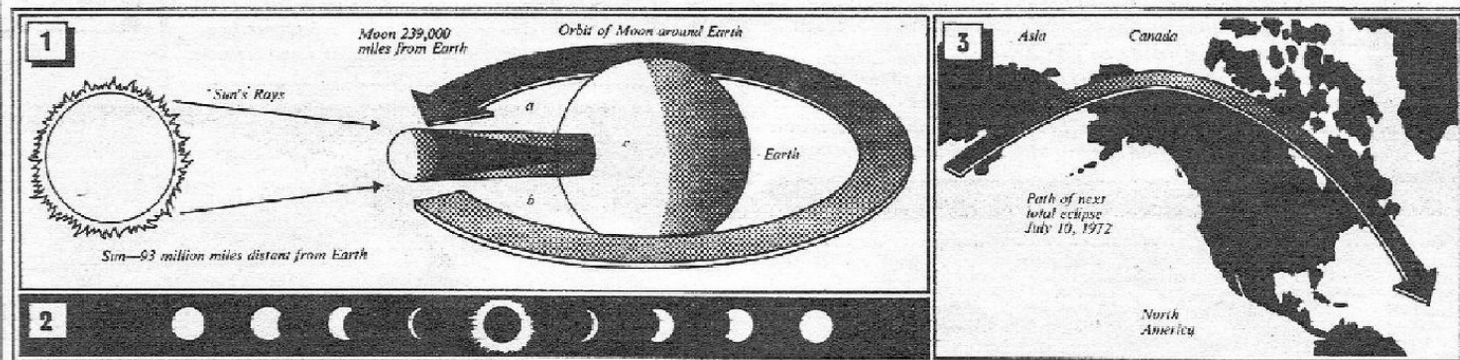
FRUITY POPS POP WITH FLAVOUR.



HOW!



ONCE again the How! team, Bunty James, Jack Hargreaves, Jon Miller and Fred Dinenage, are all set to give you the fascinating answers to some of your questions. Congratulations to this week's winners—you'll each be receiving a £1 Hamlyn book shortly. If you haven't already written in to the How! panel, why not do so now? You can win a Hamlyn book of your choice for any question you have published. So get thinking and send your entry to: How! Look-In, 247 Tottenham Court Road, London, W1P 0AU.



- 1 This diagram shows how a solar eclipse occurs. (a) is the dense shadow area called the 'umbra' in which, on Earth a total eclipse occurs. (b) is the lighter shadow area called the 'Penumbra' in which a partial eclipse is visible.
- 2 This shows the view from (c) in diagram 1. The moon's disc is seen biting into the sun's image until it covers it completely and the sun's 'corona' or atmosphere is visible. It then recedes out of the other side until the sun is whole again.
- 3 Shows where the next total eclipse will occur.

HOW does the sun go into eclipse?

Nigel James, Bexleyheath, Kent.

If a heavenly body is blotted out by another's shadow, it is said to be eclipsed. A total eclipse means that it is completely hidden, a partial eclipse, that it is only partly hidden. The sun is eclipsed when the moon passes between us and the sun and these 'solar eclipses', as they are called, always start on the sun's western side.

The great moment in a total eclipse comes when the moon completely blots out the sun and a lovely corona, or circle of light, can be seen. However, on no account must anyone look directly at an eclipse, as it can

badly damage the eyes.

Total eclipses can only be seen in certain parts of the world, as their path is at the most 167 miles across. The moon's shadow moves at speeds from 1,100 to 5,000 mph, depending on which part of the earth it is touching. The eclipse may be seen for up to 7 minutes 40 seconds near the equator, where they last longest. The next total solar eclipse is due in July 1972, but you will have to be in north-east Asia, northern Canada, Alaska or the mid-Atlantic to see it! One of the many reasons scientists observe eclipses is to learn certain facts that can only be gathered during them. For instance, it has been found that the sun's corona has a temperature of over a million degrees centigrade!

HOW were the Hanging Gardens of Babylon built, and why?

J. Stanley, Sudbury, Suffolk.

These Gardens, which were one of the Seven Wonders of the Ancient World, are said to have been built by King Nebuchadnezzar to cheer up his wife, Amytis, who was tired of the flat plains around Babylon and pined for her native hills. Sadly, nothing of them remains. They were built up from a river and are thought to have formed a square 400 feet each way. They rose in a series of brick terraces with enough earth to hold very big trees and masses of plants.

HOW did the Police Force get its name?

J. Young, Scotland

The word 'police' comes from an ancient Roman one 'politia'. This Latin word means 'civil government' or 'organised government'. It seems to have taken on its present meaning from around 1798, when the Marine Police were founded to protect ships in the Port of London. The history of the Police Force proper in Britain dates from the founding of the Metropolitan Police in 1829 by Sir Robert Peel. Their first nickname was *blue devils*. Later they were called *hobbies* or *peelers*, after their founder.



HOW is it that people turn over in their sleep?

Paul Sherreard, Stanmore, Middlesex.

It is a fact that most people do toss and turn a great deal in their sleep, but this is usually a good thing and does not mean they are all tensed up and restless. American doctors, studying the subject by photographing sleepers, have noted that in eight hours sleep the average person changes his position about 35 times! Even the really twisted positions are not necessarily bad. All these twists and turns mean that joints and muscles are getting some rest.

SOUTHERNER



1 In March 1945, the Motor Torpedo Boat Proud Fusilier was launched ready to join Britain's fighting fleet, still in the grips of war with Germany. But soon after, the war ended. Laid up at Lowestoft for a short time, Proud Fusilier was eventually sold and in 1945 was acquired by auction by Southern Television for use as an outside broadcast boat.



2 Renamed Southernner and believed to be the world's first television outside broadcast boat, she was used to cover such events as Cowes Week.



3 Completely refitted above and below deck, she was equipped with three black-and-white cameras and went on to film the Fastnet race and the Powerboat races.

4 Then she played a major part in ITV broadcasts on the return of the round the world yachtsmen Sir Francis Chichester and Sir Alec Ross. The introduction of colour television demanded that Southernner be converted for the new colour equipment and the major task was completed for the August 1970 Cowes Week.



5 Then, during the early hours of Saturday, October 24, 1970, Southernner was sent out to take part in one of the most spectacular and important news stories of the decade. On the previous night, the 42,000 ton Pacific Glory collided with another tanker in the Solent not far from the Isle of Wight.



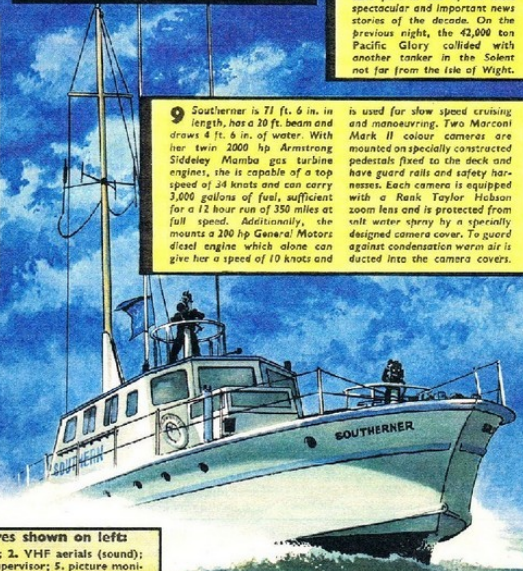
6 Southernner's involvement in the Pacific Glory incident began with a telephone call from Freshwater at 10.50 p.m. It came from Mrs. Ruth Clegg, one of a corps of 150 correspondents who provide a key link in Southern's newsgathering operations. She reported that Yarmouth lifeboat had just been launched to go to the assistance of a ship on fire. Within moments of the first alert, Southern Television's news division had deployed all available resources to concentrate on the blaze. Cameramen, reporters, sound engineers, and lighting electricians raced by land, sea and air to their rendezvous points, and by dawn no fewer than five Southern camera crews were working independently on the story.



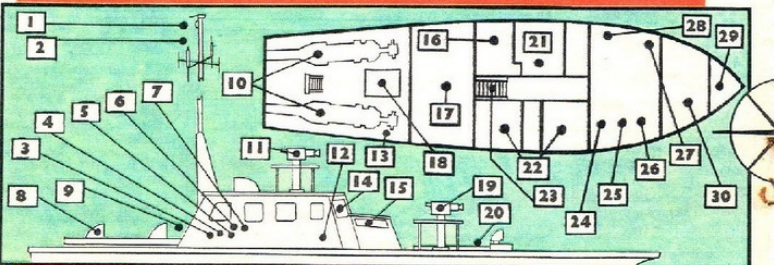
7 One crew was aboard the fire-fighting tug Atherfield, two more were airborne and the other was at Haslar Naval Hospital meeting survivors as they landed. The fifth crew was aboard Southernner at the scene of the disaster, shooting the film from hand held cameras.



8 Some of the urgent film was air-lifted from Southernner in a shopping bag, calmly lowered to the deck from a helicopter.



9 Southernner is 71 ft. 6 in. in length, has a 20 ft. beam and draws 4 ft. 8 in. of water. With her twin 2000 hp Armstrong Siddeley Mamba gas turbine engines, she is capable of a top speed of 34 knots and can carry 3,000 gallons of fuel, sufficient for a 12 hour run of 350 miles at full speed. Additionally, she mounts a 200 hp General Motors diesel engine which alone can give her a speed of 10 knots and is used for slow speed cruising and manoeuvring. Two Marconi Mark II colour cameras are mounted on specially constructed pedestals fixed to the deck and have guard rails and safety harnesses. Each camera is equipped with a Rank Taylor Hobson zoom lens and is protected from salt water spray by a specially designed camera cover. To guard against condensation warm air is ducted into the camera covers.



Key to numbered features shown on left:
 1. Microwave link aerial (pictures); 2. VHF aerials (sound); 3. Sound Supervisor; 4. Technical Supervisor; 5. picture monitors; 6. Production Assistant; 7. Programme Director; 8. air intakes for engine room; 9. radio links control position; 10. Mamba jet turbines; 11. tv camera; 12. chart room; 13. 22 Kva marine diesel for electricity supply; 14. wheel house; 15. Commentators; 16. Captain's cabin area; 17. 2000 gallon fuel tank; 18. 230 hp main diesel for slow running; 19. tv camera; 20. hatch for tv equipment; 21. Captain's cabin; 22. cabins and wc and showers; 23. ladder (stairs); 24. quality control and picture matching; 25. camera control and synch pulse generators; 26. spare tv camera; 27. VR 1200 Ampex video tape-recorder; 28. sound vision microwave links, transmitter and receiver equipment; 29. paint store and chain locker; 30. galley.

SOUTHERNER

FRANK TELLAMY

In the first of three articles, Colin Willock peers into the raging river to tell you the . . .

Story of the Salmon

I was wading through gravelly shallows in the fast, clear water of the River Towy, in Carmarthenshire, when it happened. Something hit the small, yellow Devon minnow I was spinning for sea trout, with a solid bang.

The line stopped dead as if attached to a rock. Then the nylon stretched taut from the tip of my rod, cutting through the water like a cheese wire. There was no doubt what was on the end of it! I had hooked a fighting Atlantic salmon.

I was using a line of only five pounds breaking strain. When the salmon leaped, my heart jumped with it. The fish weighed at least eighteen pounds. I would have to play it with the utmost care.

I was lucky. Twenty heart-stopping minutes later, I slid the exhausted fish on to the gravel beach. The salmon was a female. She lacked the hooked lower jaw of the male. She was bright as newly-minted silver and was obviously 'fresh-run'—that is to say she had travelled non-stop up-river from the sea, thirty miles away. How could I tell this? Because the small parasites, called sea lice, were still stuck to the salmon's gill-covers. These only survive in salt water and drop off the fish after it has been a day in the river. So I knew my salmon had only just begun its run for the spawning beds, high in the hills' streams.

In the next three weeks I shall be telling the salmon's story—especially of its life in the river. Though the salmon spends most of its adult life at sea we know very little about what happens to it there.

My salmon had begun its life one freezing February day, about five years previously. Twenty miles upstream from the point at which I had caught it, it had hatched out of an egg about the size of a pea, buried deep in the gravel of a tributary stream no wider than a ditch.

The tiny fish, called an alevin, at this stage, had emerged from one of the eight thousand eggs laid by the same female.

The alevin would live right down

among the pebbles for the next ten days or so. That was the only place it would be fairly safe from the predators which would come looking for it.

The alevin had a tiny yolk sac on its belly, holding nourishment that would keep it going until it could leave the shelter of the pebbles and start to hunt for itself.

The first predator had in fact arrived on the scene even before all the eggs had

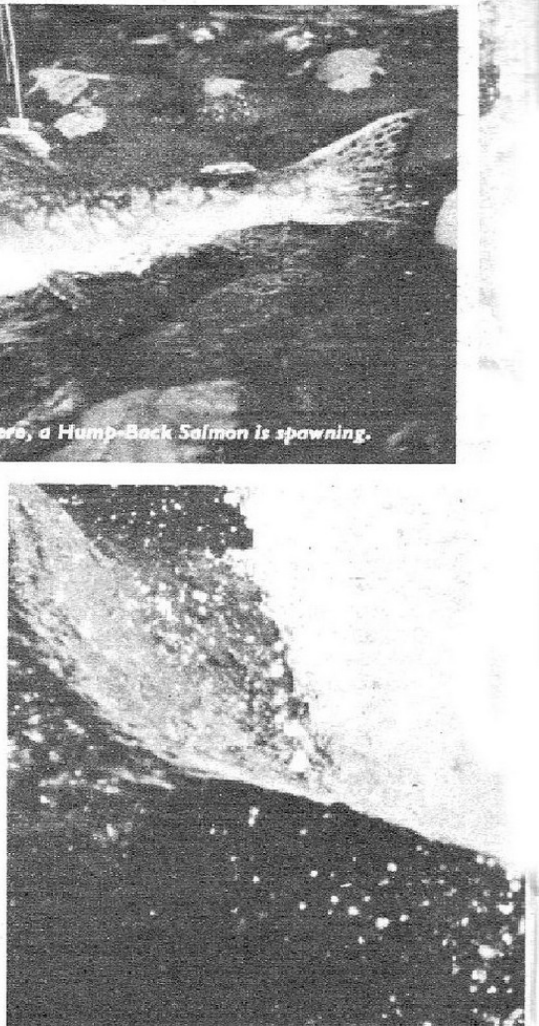



The female salmon lays great numbers of eggs. Here, a Hump-Back Salmon is spawning.

hatched out. A small brown bird with a white 'bib' on its breast walked down to the stones at the water's edge and simply submerged, like a tiny fat bather. It was the dipper bird and, once under the water, it began to edge forward against the current. This peculiar bird was looking for eggs the female salmon had failed to bury in the nest she had dug in the gravel.

The salmon that I had caught had been one of the few to survive from the eight thousand eggs its mother had originally laid. That sounds a lot of eggs but then the salmon has enemies all through its life.

Next week, I'll be telling you how my fish survived to make its way down to the sea.





A riverside neighbour, the Kingfisher is unique among our native birds in appearance and habit. It feeds on fish and water creatures.

Incredibly, the salmon travel non-stop up-river from the distant sea to return to the spawning beds high in the hill-streams.

Underwater action with the crew of the 'Seaview' . . .

VOYAGE TO THE BOTTOM OF THE SEA

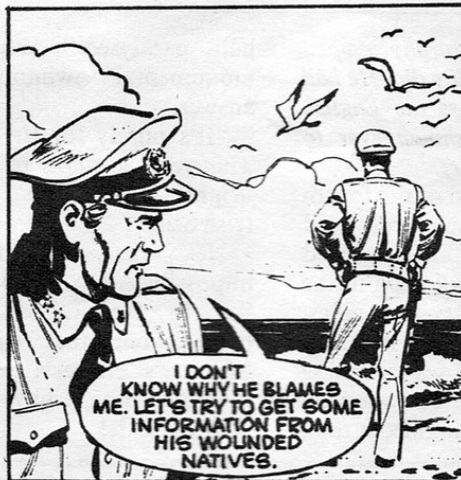
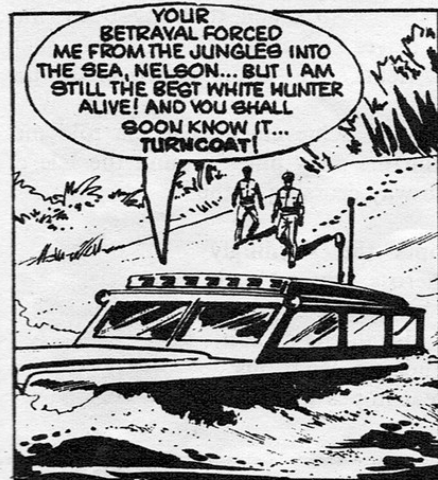


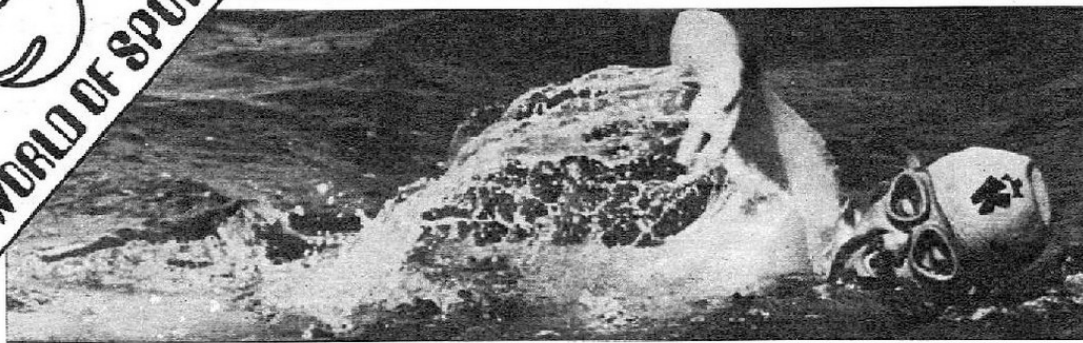
ONCE PROVED A COWARD, BIG GAME HUNTER, SIR ELLERY BARKETT, BLAMES ADMIRAL NELSON FOR HIS SHAME. SETTING UP A VAGT AND EXPENSIVE UNDERSEA SAFARI OUTFIT, SIR ELLERY HAS SWORN VENGEANCE ON THE ADMIRAL AND HAS ATTACKED THE NUCLEAR POWERED SUBMARINE SEAVIEW. THEN, HEAD MAN, KEEJA, ATTACHES A STRANGE WATERPROOF SHEET TO SEAVIEW'S HULL...



TWO DAYS LATER, AG ADMIRAL NELSON AND COMMANDER CRANE GO INTO TOWN FOR SUPPLIES...







Channel Champion

Presenter Richard Davies talks to Kevin Murphy, marathon sea-swimmer!

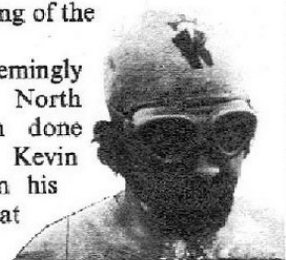
IT WAS AUGUST, 1970. With a splash, Kevin Murphy jumped into the sea. But he wasn't just having a quick holiday dip. He had begun a journey that was to take him right across the English Channel and back again. Kevin—the only Englishman ever to swim the channel both ways—said of his historic effort:

"I entered the water near Dover on the afternoon of the fourth of August and landed near Calais. After ten minutes respite, I dived in again and began the return journey. I finally arrived back in England on the morning of the sixth. I had been in the water for thirty-five hours and I covered sixty-five miles. Surprisingly, though, the effort was more demanding mentally than physically. By the time I landed, my mind was working very slowly, but I was still able to clamber up the sea wall without much trouble. My biggest problem was the tide. It took

half paralysed." What drives a man to attempt such monumental swimming feats? I soon discovered the answer.

"It's purely for the sense of achievement," Kevin told me. This year he plans to swim the sixty miles around the Isle of Wight—followed by a two-way crossing of the Irish Sea.

Next year, he attempts the seemingly impossible—to swim across the North Sea to Holland. It's never been done before, but that only heightens Kevin Murphy's enthusiasm. Judging from his record to date, I have great hopes that he'll make it!



me seven hours to cover the last few miles and I landed eight miles away from the spot I had originally intended."

Kevin didn't clinch a record on that occasion, but he did when he swam the *Irish Sea*—a feat only one person has ever done before. This incredible man knocked four hours off the record when he swam from Donaghadee in Ireland to Port Patrick in Scotland. Kevin recalled: "The Irish Sea was very cold—about fifty degrees Fahrenheit. But the biggest menace was the jelly fish. I was stung so much that my body was

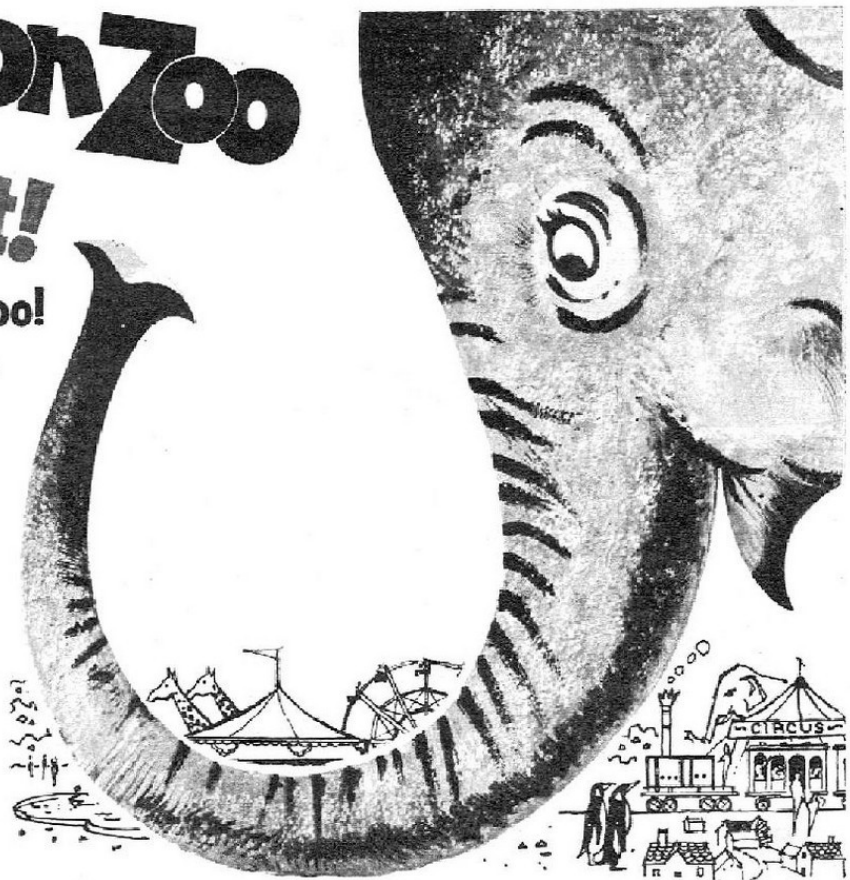
Chessington Zoo

has got the lot!

It's Surrey's more to see 'n do zoo!

- * More than 1000 amazing and amusing animals from all over the world.
- * Super funfair – big wheel, roller coaster, bumper cars – the lot!
- * Smashing circus – performance dates and times on request.
- * Free swings, slides, and roundabouts.

Come and see for yourself



If Dad brings you by car – tell him it's on the A243 between Hook and Leatherhead.

YOUR VIEW

BENNY HILL—one of TV's top comedians—selects this week's letters from the LOOK-IN Postbag.



STAR LETTER

SHOUTING MATCH

★ Our wise and witty young English master came up with a 'fantastic' idea of how to keep us all quiet. He suggested we all go down to the football pitch and, standing the width of the pitch apart in pairs, we could all shout to each other for three quarters of an hour. He then told us that on Monday we would each have a sore throat, on Tuesday a hoarse voice, on Wednesday we'd get laryngitis, and on Thursday we'd be cured of shouting.

Joy Court,
Chesterfield, Derbys.

★ What about Friday, Joy? I suppose you spend that day trying to find your voices again! Congratulations, too, for sending the Star Letter. You'll receive £2 soon.

FATED

Last summer we had a fête in the grounds of our house. It was in aid of the R.S.P.C.C. We had a swimming pool which was made of a large sheet of plastic, wood and scaffolding. My six friends put on Victorian clothes and sat on a pole above the water. The object of the onlookers was to throw sponges at them and knock them into the water.

Naturally, the people had to pay for the pleasure of knocking my friends into the water.

Isabel Bandet,
Hitchin, Herts.

★ I think 'getting wet' for charity is a splendid idea, Isabel. Well done!



"You told us to bring our pots, sir!"
Daphne Martin,
Tewkesbury, Glos.

DISPOSABLE HAMSTER



I have a pet hamster called Tiddles. When we clean her cage, we take her out and let her run around the room. One day, we were cleaning out the cage, and my Mum emptied the sawdust into the bin.

When it was time to put Tiddles back she had disappeared. We searched everywhere and I was very upset when I couldn't find her. Later on that day, my Mum went to put some rubbish in the dustbin and was startled to see two eyes and a nose peeping at her from among the potato peelings. Somehow Tiddles had crawled back into the cage just before Mum emptied it. Above is a photograph of Tiddles.

Susan Allott,
Wombwell, Yorks.

★ I understand this is yet another story to add to the 'hamster homes' other readers have already written in about.



"Sorry, it was a false start!"
Keith Waterhouse,
Barrow in Furness, Lancs.

PENNY FOR YOUR THOUGHTS

A penny's life is miserable.
In pockets large and small,
The children grip me in their hands,
In case they let me fall.

They drop me in water,
They drop me in mud,
The gypsies even bite me,
To see if I'm a dud.

Sometimes I'm in palaces,
Or houses small and dark,
Or in a robber's pocket,
Who's hiding in the park.

They put me into slot machines,
Or even in a tin,
And after many years of toil,
I weaken and grow thin.

Robert Clark,
Upperlands, Co. Derry, N. Ireland.

★ Sob, sob . . . I'll never be cruel to a penny again!

BURIED TREASURE

On our holiday on the Costa Brava, my brother and I saw a bottle floating in the water. Out of curiosity, we took the bottle and opened it. Inside was a sheet of paper and written on it in five languages, it said: "Go twenty paces South towards Palamos: under a tree you will find a

"Coca-Cola" bottle." Unfortunately, we couldn't find the bottle. But it was still very exciting to find the secret message, although we didn't actually discover any treasure.

Anne Watson,
Cranbrook, Kent.

★ Never mind, Anne—it might 'pop' up next time you have a holiday there.

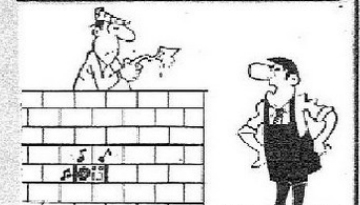
HITTY GRITTY



One year our class went on an outing to the zoo. Our teacher gave us some questions to answer. I stopped by the orang-utang's cage and knelt down on the ground to answer one of the questions in my book. Suddenly, a shower of grit hit me. I stood up and glanced around. Looking back at me was the cheeky face of the orang-utang. Then I knew who'd done it!

Marian Garland,
Saltburn, Yorks.

★ Just the kind of monkey business you'd expect. Well, here's a picture of a very poetic orang-utang sniffing the first rose of summer . . .



"Jack, seen my radio?"
W. D. Wilkinson,
Tarporely, Ches.

Win £2—for the Star Letter of the week!
Win £1—for any other joke or letter!
Plus a special signed photograph of the Your View star to the sender of each item published!
Why not write now to Your View, LOOK-IN, 247 Tottenham Court Road, London W1P 0AU? But, remember—when you write, also enclose a list of your FOUR favourite features, plus the feature you don't like (if there is one).

FREEWHEELERS

ON A CAMPING HOLIDAY, THE FREEWHEELERS GET A MESSAGE FROM MAJOR GRAHAM TELLING THEM TO WAIT AT A RUINED CASTLE. A STRANGE MYSTERY DEVELOPS WHEN THE YOUNGSTERS SEE WHAT APPEARS TO BE A GHOST. THEN, WHILE OBSERVING SOME SIGNAL LIGHTS OUT TO SEA, SACKS ARE SUDDENLY PULLED OVER THEIR HEADS. IT IS DAWN WHEN MIKE MANAGES TO STRUGGLE FREE...



GHOSTS ... LIGHTS AT SEA ... AND NOW VIOLENCE! SOMEONE IS CERTAINLY DETERMINED TO KEEP US AWAY FROM THAT CASTLE!



WHERE ARE WE?

I'M NOT SURE, LET'S TAKE A LOOK!

WHO DID THIS, MIKE, AND WHY?



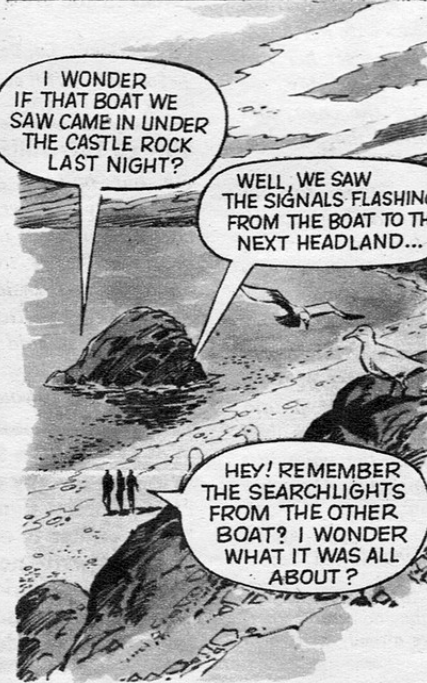
I DON'T KNOW... BUT I'M FED UP WITH THE WAY WE'VE BEEN TREATED. I VOTE WE GO DOWN TO THAT SLEEPY LITTLE FISHING VILLAGE AND START WAKING THE PLACE UP!



LOOK... THE CASTLE... WE MUST HAVE BEEN CARRIED ALL THIS WAY LAST NIGHT!

YES... IT MUST BE TWO MILES AWAY. COME ON, LET'S GET BACK THERE!

TIRED AND BRUISED OF BODY AND PRIDE, THE FREEWHEELERS BEGIN TO RESPOND TO THE BRACING COASTAL AIR...



I WONDER IF THAT BOAT WE SAW CAME IN UNDER THE CASTLE ROCK LAST NIGHT?

WELL, WE SAW THE SIGNALS FLASHING FROM THE BOAT TO THE NEXT HEADLAND...

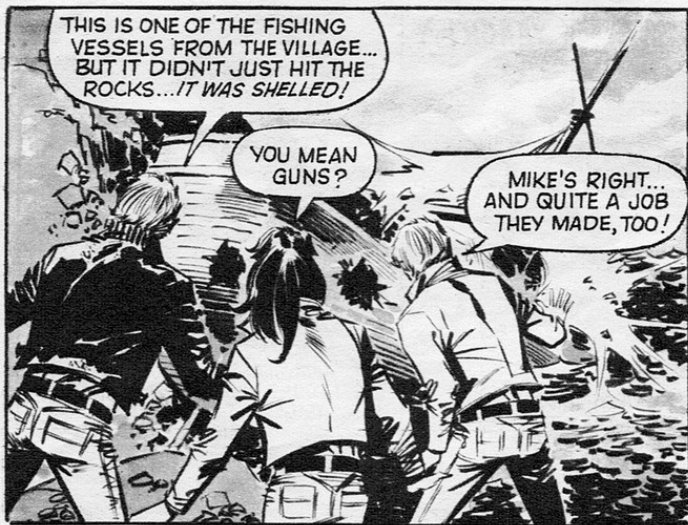
HEY! REMEMBER THE SEARCHLIGHTS FROM THE OTHER BOAT? I WONDER WHAT IT WAS ALL ABOUT?



THEY ROUND THE CASTLE HEADLAND...

HEY! THAT'S THE BOAT WE SAW!

BOY! HAS IT BEEN WRECKED!



THIS IS ONE OF THE FISHING VESSELS FROM THE VILLAGE... BUT IT DIDN'T JUST HIT THE ROCKS...IT WAS SHELLED!

YOU MEAN GUNS?

MIKE'S RIGHT... AND QUITE A JOB THEY MADE, TOO!



WELL, THIS IS THE END! I CAN STAND SO MANY MYSTERIES, BUT SOONER OR LATER I NEED ANSWERS. I'M GOING TO THE VILLAGE TO PHONE MAJOR GRAHAM!

CLIMBING TO THE CASTLE RUINS, THE FREEWHEELERS COLLECT THEIR CAR AND DRIVE TO THE FISHING VILLAGE. BUT AS THEY STOP...



WHAT'S GOING ON? WHAT DO YOU MEN WANT?

YOU'RE COMING WITH US... YOU'VE GOT SOME EXPLAINING TO DO!

THE YOUNGSTERS ARE MARCHED TO THE SHIP'S CHANDLER'S SHOP...

RIGHT... NOW WE KNOW YOU'RE CONNECTED WITH THE CUSTOMS AND EXCISE PEOPLE... SO DON'T TRY TO DENY IT!

YEAH! AND YOU CAUGHT US FAIR AND SQUARE... BUT IT WAS ONLY A BIT OF HARMLESS SMUGGLING!



LUKE'S RIGHT... SO WHY GET SO TOUGH WITH US? YOU DIDN'T HAVE TO BLOW HIS BOAT OUT OF THE WATER!

NOW WAIT A MINUTE... WE'RE NOT CUSTOMS MEN. WE DIDN'T HAVE ANYTHING TO DO WITH WRECKING YOUR BOAT!



AND WE CERTAINLY DON'T WANT TO BE INVOLVED IN YOUR CONTRABAND TRIPS... IT'S NOT OUR PROBLEM!



SUE NOTICES THE PICTURE...

MIKE - MAX... THAT PAINTING... IT'S THE GHOST!



WE'RE LEAVING... AND DON'T TRY TO STOP US. WE'RE NOT INTERESTED IN YOUR PETTY SMUGGLING, SO LEAVE US IN PEACE!



MIKE DRIVES BACK TO THE CASTLE...

THAT GHOST WAS A RUSE TO FRIGHTEN US AWAY SO THEY COULD CARRY ON THEIR SMUGGLING! WE'RE GOING TO FIND OUT HOW THEY DID IT!



THEN...

WELL DONE, SUE... YOU'VE FOUND THE MECHANISM...

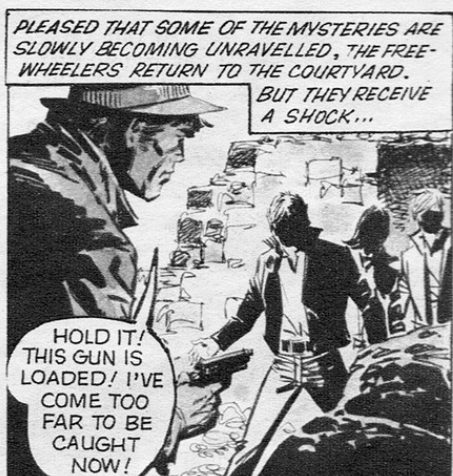
A SLIDING WALL... COME ON!



WELL, HERE'S OUR GHOST!

YES... ONE OF THE FISHERMEN MUST HAVE WORN IT AND HID IN THIS ROOM WHEN WE FOLLOWED HIM!

THEN, WHEN WE LEFT, HE CREEPT OUT LEAVING THE CLOTHES FOR THE NEXT HAUNTING SESSION!



PLEASED THAT SOME OF THE MYSTERIES ARE SLOWLY BECOMING UNRAVELLED, THE FREEWHEELERS RETURN TO THE COURTYARD. BUT THEY RECEIVE A SHOCK...

HOLD IT! THIS GUN IS LOADED! I'VE COME TOO FAR TO BE CAUGHT NOW!

BRIGHT'S BOFFINS



BY MEANS OF A SMALL RADIO 'MINDBENDER', PANT AND WHEEZE BELIEVE THEY CONTROL BRIGHT. UNDER COVER OF A SMOKE-BOMB, THEY MOVE IN TO STEAL THE BOFFINS' SECRET PLANS. BUT BRIGHT HAS SET A TRAP. THEN...

YAAGH!



NICE WORK, THUMPER - WE'VE GOT THE DROP ON ONE OF THOSE G.A.S.P. W'INDBAGS!



STOP, IT'S ME!

YOUR GHASTLY GAME'S UP - I FOUND YOUR 'MIND-BENDER'! YOU CAN'T BRAINWASH BRIGHT!



DOGSEARS! BAH! THEN WHERE ARE PANT AND WHEEZE?

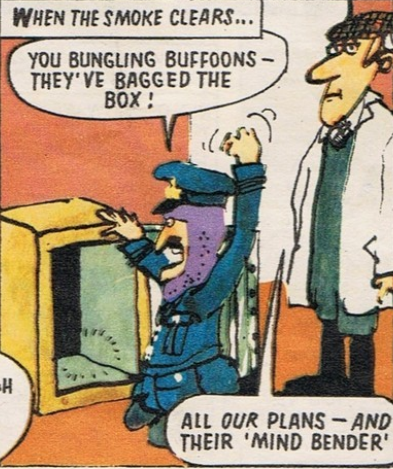
RIGHT BEHIND ME, CHIEF! SOMEWHERE IN THE SMOKE!



THAT MOMENT...

THAT TRAP WAS MEANT FOR US, PANT!

SO'S THIS BOX OF PLANS - THOUGH THAT BRAINLESS BOFFIN, BRIGHT, WON'T THINK SO...



WHEN THE SMOKE CLEARS...

YOU BUNGLING BUFFOONS - THEY'VE BAGGED THE BOX!

ALL OUR PLANS - AND THEIR 'MIND BENDER'!



I PUT THAT IN THE SAFE FOR SAFE-KEEPING, TOO!

PHHHEEEP!

WE MUST GET THEM BACK - OR SIR DESMOND DARK WILL MAKE THINGS BLACKER FOR US! COME ON!



MEANWHILE...

CHECK THE PLANS, WHEEZE, I'M GOING TO BLOW UP THE 'BRAIN-BENDER' - AND BRIGHT WITH IT!



THE DETONATOR'S PRIMED... STAND BY FOR THE BANG...

OH, NO! WAIT, PANT... THE 'BENDER'S' IN THE BOX!



WHAA!

WHOOO!

BANG!



THEN...

IT'S NOT FAIR! THIS IS THE SECOND TIME THIS HAS HAPPENED TO US!

OUR PLAN'S BEEN BLOWN TO BITS - SO HAVE BRIGHT'S!



QUICKLY, WE'LL CATCH PANT AND WHEEZE, WHILE THEY'RE WINDED!

AND THE PLANS - THEY'RE IN PIECES!



PANT AND WHEEZE HAVE 'BLOWN'. CATCH ALL THE PAPER BEFORE THAT DOES, TOO!

HUH! JUST OUR LUCK! THEN WE'LL HAVE TO STICK ALL THE PLANS TOGETHER AGAIN. WHAT A LIFE!




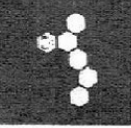
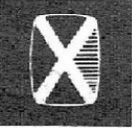






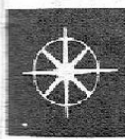
ANITA HARRIS

[All details correct at time of going to press.]

FOR COMPLETE DETAILS OF ALL ITV PROGRAMMES SEE TYTIMES

Lookin' on your ITV programmes this week: June 12-18

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
ANGLIA 	1.15 World of Sport 5.15 U.F.O. 6.15 Whitaker's World of Music Show 7.00 Val Doonican	2.45 Sunday Film 4.40 The Golden Shot 5.35 Jamie 7.25 Doctor At Large	4.30 The Romper Room 4.55 Flipper 5.15 Full House 6.40 Opportunity Knocks!	4.40 Paulus 4.55 Little Big Time 5.15 Magpie 7.00 The Tuesday Comedy	4.30 The Romper Room 4.55 Anything You Can Do 5.15 Bright's Boffins	4.35 Mel-O-Toons 4.50 Captain Scarlet 5.15 Magpie 7.00 The Thursday Film	4.30 The Romper Room 4.50 Voyage To The Bottom Of The Sea 7.00 The Sky's The Limit
MIDLANDS 	12.40 The Secret Service 1.15 World of Sport 5.15 U.F.O. 6.15 Feature Film	1.30 Enchanted House 2.15 Sport 4.40 The Golden Shot 5.35 Forest Rangers 7.25 Doctor At Large	4.40 Origami 4.55 Bush Boy 5.15 Full House 6.40 Opportunity Knocks!	4.40 Hatty Town 4.55 Little Big Time 5.15 Magpie 7.00 Star Movie	4.40 Plupp 4.55 Anything You Can Do 5.15 Bright's Boffins 8.00 The Saint	4.40 The Magic Ball 4.55 Fireball XL5 5.15 Magpie 7.00 Thursday Movie	4.40 Zingalong 4.55 Land of the Giants 7.00 The Sky's The Limit
BORDER 	1.15 World Of Sport 5.10 U.F.O. 6.15 Whitaker's World of Music 7.00 Please Sir! 7.30 Val Doonican Show	3.15 Danger Man 4.15 Skippy 4.45 The Golden Shot 5.35 Jamie 7.25 Doctor At Large	4.40 Origami 4.55 Forest Rangers 5.20 Full House 6.45 Opportunity Knocks!	4.27 Cartoon 4.40 Hatty Town 4.55 Little Big Time 5.20 Magpie 7.00 Feature Film	4.40 Plupp 4.55 Anything You Can Do 5.20 Bright's Boffins 7.00 Feature Film	4.27 Cartoon 4.40 The Magic Ball 4.55 The Lone Ranger 5.20 Magpie 7.00 Feature Film	4.40 Zingalong 4.55 Cowboy in Africa 7.00 The Sky's The Limit 7.30 Randall & Hopkirk
CHANNEL 	1.15 World of Sport 5.15 Man from U.N.C.L.E. 6.15 On the Buses 6.45 Saturday Film	2.00 Bonanza 2.50 Feature Film 4.45 Golden Shot 5.35 Jamie 7.25 Doctor At Large	4.10 Puffin 4.50 Woobinda 5.15 Full House 6.45 Opportunity Knocks!	4.10 Puffin 4.55 Little Big Time 5.15 Magpie 7.00 Star Movie	4.00 Winter of Enchantment 4.10 Puffin 4.55 Anything You Can Do 5.15 Bright's Boffins	4.00 Origami 4.10 Puffin 4.50 H. R. Puffnstuf 5.15 Magpie 6.15 Mad Movies 7.00 Thursday Film	4.00 Zingalong 4.10 Puffin 4.20 Mickey 4.55 Land of the Giants
GRAMPIAN 	1.15 World of Sport 5.10 Bonanza 6.15 Saturday Movie 8.05 Department 'S'	2.45 Survival 3.15 Sunday Matinee 4.40 The Golden Shot 5.35 Jamie 7.25 Doctor At Large	4.23 Hatty Town 4.55 Nor The Engine 5.20 Full House 6.05 Cartoon Time 6.40 Opportunity Knocks!	3.43 Once Upon A Time 4.55 Little Big Time 5.20 Magpie 7.00 The Tuesday Western	3.43 Plupp 3.55 Skippy 4.20 Cartoon Time 4.55 Anything You Can Do 5.20 Bright's Boffins	3.44 Origami 4.50 The Rovers 5.20 Magpie 6.10 Come Ashore 7.00 Thursday Film	4.15 Zingalong 4.55 Woobinda 5.15 H. R. Puffnstuf 6.10 Nanny And The Professor 7.00 Sky's The Limit
GRANADA 	12.20 Thunderbirds 1.15 World of Sport 5.15 Bonanza 6.15 Sky's the Limit 6.45 The Tough Guys	1.55 Spiderman 3.00 Feature Film 4.40 The Golden Shot 5.35 Jamie 7.20 Doctor At Large	4.40 Once Upon a Time 4.50 Skippy 5.15 Full House 6.20 Beverly Hillbillies 6.40 Opportunity Knocks!	4.40 Hatty Town 4.55 Little Big Time 5.15 Magpie 6.20 Best of Lucy 6.50 Feature Film	4.40 Enchanted House 4.55 Anything You Can Do 5.15 Bright's Boffins 6.30 Randall & Hopkirk	4.40 Origami 4.50 Woobinda 5.15 Magpie 6.25 The Saint 7.20 The Smith Family	4.40 Zingalong 4.55 H. R. Puffnstuf 5.15 Hot Dog 6.15 When The West Was Wild
WALES/WEST 	12.25 Plupp 12.35 Tinkertainment 1.15 World of Sport 5.10 Bonanza 6.15 Whitaker's Music Show 8.00 Please Sir!	3.15 Sunday Matinee 4.45 The Golden Shot 5.35 Jamie 7.25 Doctor At Large	4.55 Woobinda 5.19 Full House 6.45 Opportunity Knocks!	4.40 Origami 4.55 Little Big Time 5.19 Magpie 7.00 Theatre Of The Stars	4.40 Rupert Bear 4.55 Anything You Can Do 5.19 Bright's Boffins 8.00 The Champions	4.40 Popeye 4.50 Pippi Longstocking 5.19 Magpie 7.30 Mid-Week Movie	5.06 Zingalong 5.19 Robin Hood 7.00 Friday Film
LONDON 	12.10 Thunderbirds 1.15 World of Sport 5.10 Bonanza 6.15 Whitaker's Music 7.30 Val Doonican	3.15 Forest Rangers 3.40 Great Survivals 4.45 Golden Shot 5.35 Jamie 7.25 Doctor At Large	4.40 Hatty Town 4.55 Lost in Space 6.40 Opportunity Knocks!	3.40 Once Upon A Time 4.55 Little Big Time 5.20 Magpie 7.30 Tuesday Film	3.40 Plupp 4.55 Anything You Can Do 5.20 Bright's Boffins 7.00 This Is Your Life	3.40 Origami 4.55 Acom Ant 5.20 Magpie 7.00 Never Mind the Quality 7.30 Thursday Film	4.10 Zingalong 4.25 Bill Hickok 4.50 Skippy 5.20 Full House 7.00 On the Buses 7.30 Sky's the Limit
SCOTTISH 	12.40 Phoenix Five 1.15 World of Sport 5.15 Cowboy in Africa 6.15 Sky's the Limit 6.45 Saturday Movie 8.30 Please Sir!	2.45 Feature Film 4.40 The Golden Shot 5.35 Jamie 7.25 Doctor At Large	4.15 Sean the Leprechaun 4.55 Skyhawks 5.15 Full House 6.40 Opportunity Knocks!	4.15 Enchanted House 4.55 Little Big Time 5.15 Magpie 6.30 Hogan's Heroes 7.00 The Tuesday Film	4.15 Origami 4.55 Anything You Can Do 5.15 Bright's Boffins 7.30 Thursday Film	4.15 Paulus 4.55 Forest Rangers 5.15 Magpie 7.00 Never Mind the Quality 7.30 Thursday Film	4.15 Magic Ball 4.55 Fireball XL5 5.20 Cartoon 6.35 Bonanza 7.35 The Champions



1.15 World of Sport
 5.15 U.F.O.
 6.15 The Golden Shot
 7.05 Please Sir!
 7.35 I Spy

3.45 Film
 3.55 Jamie
 7.25 Doctor At Large

4.20 Felix the Cat
 4.30 Best Of Lucy
 4.55 Lost In Space
 6.45 Opportunity Knocks!

4.23 Cartoon
 4.55 Bush Boy
 5.20 Bright's Boffins
 6.30 My Three Sons
 7.05 The Tuesday Film

4.23 Mr. Piper
 4.55 Superman Can Do
 5.20 Full House
 7.00 Sky's The Limit
 7.30 Friday Film

4.15 Mad Movies
 4.40 Origami
 5.20 Magpie
 6.30 Get Smart
 7.00 Thursday Film

4.15 Zingalong
 4.30 Land Of The Giants
 5.20 The Flintstones
 6.30 On the Buses
 7.00 Sky's The Limit



12.25 Cartoon Carnival
 1.15 World of Sport
 5.10 Gunsmoke
 6.15 Popeye
 6.20 Carry on Comedy
 8.00 Val Doonican

3.10 Sunday Matinee
 4.45 The Golden Shot
 5.35 Jamie
 7.25 Doctor At Large

4.40 Paulus
 4.55 Skippy
 5.20 Full House
 6.45 Opportunity Knocks!

4.15 Survival
 4.40 The Enchanted House
 4.55 Anything You Can Do
 5.20 Bright's Boffins

4.15 Mad Movies
 4.40 Origami
 5.20 Magpie
 6.30 Get Smart
 7.00 Thursday Film

4.15 Zingalong
 4.30 Land Of The Giants
 5.20 The Flintstones
 6.30 On the Buses
 7.00 Sky's The Limit



12.40 Woobinda
 1.15 World of Sport
 5.10 Greatest Show on Earth
 6.15 Whittaker's Music
 7.00 Saturday Picture

2.15 Survival
 3.15 Sunday Matinee
 4.45 The Golden Shot
 5.35 Jamie
 7.25 Doctor At Large

4.30 Romper Room
 4.55 Bugs Bunny
 5.20 Full House
 6.10 Get Smart
 6.45 Opportunity Knocks!

4.30 Romper Room
 4.55 Anything You Can Do
 5.20 Bright's Boffins
 6.10 Best of Lucy

4.30 Romper Room
 4.55 H. R. Pufnstuf
 5.20 Magpie
 6.10 Nanny and the Professor
 7.00 Thursday Film

4.30 Romper Room
 4.55 Land Of The Giants
 7.00 The Sky's The Limit
 7.30 Bonanza



12.00 Mr. Piper
 1.15 World of Sport
 5.15 Man from U.N.C.L.E.
 6.15 On The Buses
 6.45 Saturday Film

2.00 Bonanza
 2.50 Feature Film
 4.45 The Golden Shot
 5.35 Jamie
 7.25 Doctor At Large

4.00 Once Upon A Time
 4.10 Gus Honeybun
 4.50 Woobinda
 5.15 Full House
 6.45 Opportunity Knocks!

4.10 Gus Honeybun
 4.55 Anything You Can Do
 5.15 Bright's Boffins
 7.00 Treasure Hunt

4.00 Origami
 4.10 Gus Honeybun
 4.50 H. R. Pufnstuf
 5.15 Magpie
 7.00 Thursday Film

4.00 Zingalong
 4.10 Gus Honeybun
 4.20 Mickey
 4.55 Land of the Giants
 7.00 Sky's The Limit



1.15 World of Sport
 5.15 U.F.O.
 6.15 Popeye
 6.20 Saturday Film
 8.00 Val Doonican Show

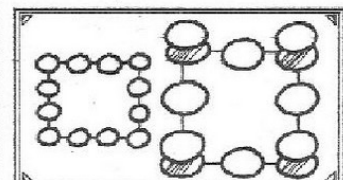
3.10 Sunday Cinema
 4.45 The Golden Shot
 5.35 Jamie
 7.25 Doctor At Large

4.40 Once Upon a Time
 4.55 Skippy
 5.20 Full House
 6.45 Opportunity Knocks!

4.40 The Enchanted House
 4.55 Anything You Can Do
 5.20 Bright's Boffins

4.40 Origami
 4.55 Woobinda
 5.20 Magpie
 6.30 F. Troop
 7.00 Cartoon Time
 7.05 Action Film

4.15 Zingalong
 4.30 Land Of The Giants
 5.20 Flintstones
 6.30 Hogan's Heroes
 7.00 Sky's The Limit



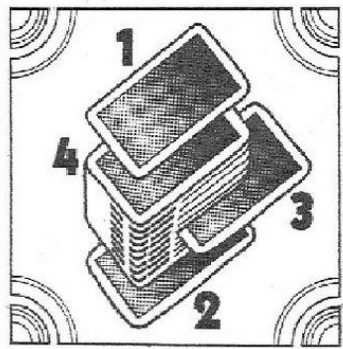
Teaser Time★★★★★★★★★★★★★★★★★★★★

A square of twelve coins with four coins on each side—that's what you needed for last week's teaser. Your task was to get five coins in each side and the second diagram illustrates how it's done. You take one coin from the middle of each side and place it on top of a corner coin. Now there are five in each side!

Here is a very cryptic message...

**DOUN TOOTH ERS
 A SY
 OUW OULD BED
 ONE BY**

Is it a foreign language—or in code? Actually, it is a well-known saying heavily disguised, and your task is to try and decipher it!



Showing three queens from a pack of cards, place one on the TOP of the pack, one on the BOTTOM, and push the third card into the centre of the pack. Now you cut the cards once, and pronounce your favourite magic words. When you spread the cards out, face-up on the table, the three queens will have come together in the centre of the

The Queens get together

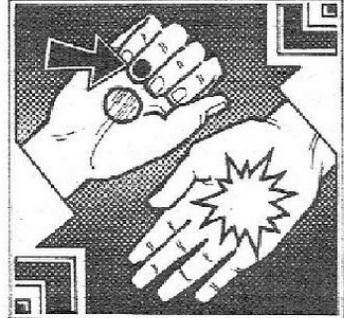
I've selected a very easy card trick to start off this week's magic tricks.



pack. How is it done? Just make sure that the fourth queen is on top of the pack before you start and the trick will work automatically. If you show the three queens fairly quickly at the start of the trick, no one will notice that one of them is different afterwards.

Vanishing Tiddler

Take a half-penny piece, and place it on the palm of your hand—then close your fingers so that the coin cannot be



seen. When you open your hand again the coin will have completely disappeared. The secret is a little dab of beeswax or chewing gum on the nail of your third finger. When you close your hand, you make sure that this nail presses on to the half-penny piece. Then open your hand quickly and the 'tiddler' will be out of sight—in fact, behind or under your hand.

Wobbly Pencil

Take hold of the tip of a pencil loosely between your index finger and thumb. Then, with the pencil in a horizontal position, move your hand up and down. The pencil will appear to bend!



THE NIGHT THE SEA CAUGHT FIRE

ON THE NIGHT of Friday, October 23, 1970, the 42,000 ton Liberian oil tanker *Pacific Glory* was transformed into a blazing inferno ninety minutes after a collision with another tanker off the Isle of Wight.

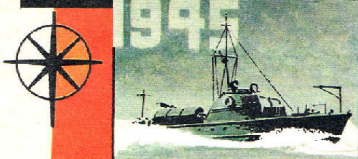
Southern Television's film crews were the first television units to reach the scene and *Southerner*, believed to be the world's first television outside broadcast boat, was amongst the vessels that sped to the area.

For its tremendous coverage of the

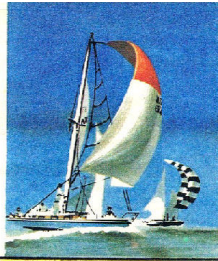
unique story, Southern Television newsmen and technicians carried off no less than six major news film awards.

In an exciting picture strip, on pages 14 and 15 of this week's LOOK-IN, we present the full story of *Southerner* and the dramatic role it played in the Pacific Glory Disaster.

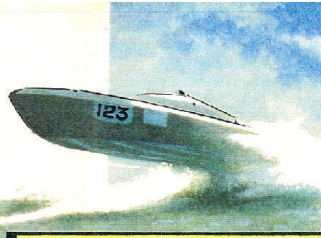
SOUTHERNER



1 In March 1945, the Motor Torpedo Boat Proud Fusilier was launched ready to join Britain's fighting fleet, still in the grips of war with Germany. But soon after, the war ended. Laid up at Lowestoft for a short time, Proud Fusilier was eventually sold and in 1965 was acquired by auction by Southern Television for use as an outside broadcast boat.



2 Renamed Southernner and believed to be the world's first television outside broadcast boat, she was used to cover such events as Cowes Week.



3 Completely refitted above and below deck, she was equipped with three black-and-white cameras and went on to film the Fastnet race and the Powerboat races.

4 Then she played a major part in ITV broadcasts on the return of the round the world yachtmen Sir Francis Chichester and Sir Alec Rose. The introduction of colour television demanded that Southernner be converted for the new colour equipment and the major task was completed for the August 1970 Cowes Week.

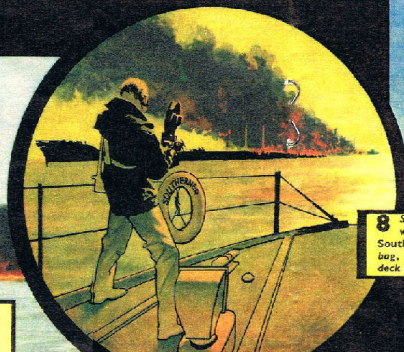


5 Then, during the early hours of Saturday, October 24, 1970, Southernner was sent out to take part in one of the most spectacular and important news stories of the decade. On the previous night, the 42,000 ton Pacific Glory collided with another tanker in the Solent not far from the Isle of Wight.

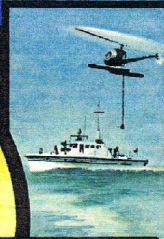


6 Southern's involvement in the Pacific Glory incident began with a telephone call from Freshwater at 10.50 p.m. It came from Mrs. Ruth Clegg, one of a corps of 150 correspondents who provide a key link in Southern's newsgathering operations. She reported that Yarmouth life-boat had just been launched to go to the assistance of a ship on fire.

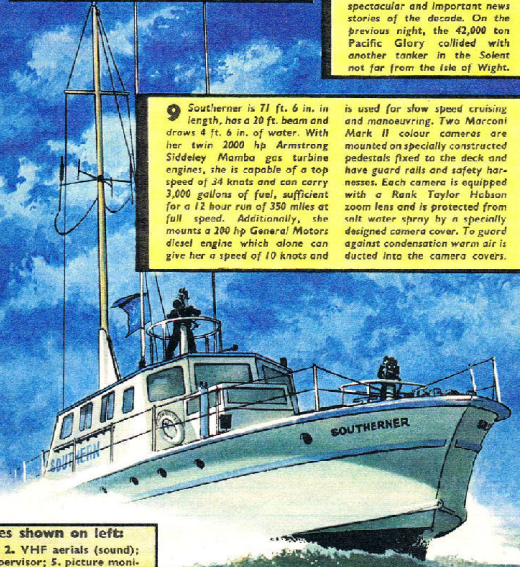
Within moments of the first alert, Southern Television's news division had deployed all available resources to concentrate on the blaze. Cameramen, reporters, sound engineers, and lighting electricians raced by land, sea and air to their rendezvous points, and by dawn no fewer than five Southern camera crews were working independently on the story.



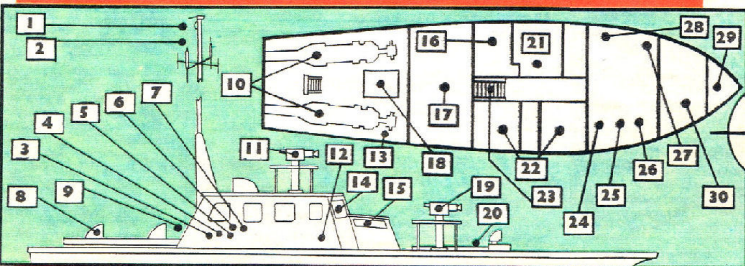
7 One crew was aboard the fire-fighting tug Atherfield, two more were airborne and the other was at Haslar Naval Hospital meeting survivors as they landed. The fifth crew was aboard Southernner at the scene of the disaster, shooting the film from hand held cameras.



8 Some of the urgent film was air-lifted from Southernner in a shopping bag, calmly lowered to the deck from a helicopter.



9 Southernner is 71 ft. 6 in. in length, has a 20 ft. beam and draws 4 ft. 6 in. of water. With her twin 2000 hp Armstrong Siddeley Mamba gas turbine engines, she is capable of a top speed of 24 knots and can carry 3,000 gallons of fuel, sufficient for a 12 hour run of 350 miles at full speed. Additionally, she mounts a 200 hp General Motors diesel engine which alone can give her a speed of 10 knots and is used for slow speed cruising and manoeuvring. Two Marconi Mark II colour cameras are mounted on specially constructed pedestals fixed to the deck and have guard rails and safety harnesses. Each camera is equipped with a Rank Taylor Hobson zoom lens and is protected from salt water spray by a specially designed camera cover. To guard against condensation warm air is ducted into the camera covers.



Key to numbered features shown on left:

1. Microwave link aerial (pictures); 2. VHF aerials (sound); 3. Sound Supervisor; 4. Technical Supervisor; 5. picture monitors; 6. Production Assistant; 7. Programme Director; 8. air intakes for engine room; 9. radio links control position; 10. Mamba jet turbines; 11. tv camera; 12. chart room; 13. 22 Kva marine diesel for electricity supply; 14. wheel house; 15. Commentators; 16. Captain's cabin area; 17. 3000 gallon fuel tank; 18. 230 hp main diesel for slow running; 19. tv camera; 20. hatch for tv equipment; 21. Captain's cabin; 22. cabins and wc and showers; 23. ladder (stairs); 24. quality control and picture matching; 25. camera control and synch pulse generators; 26. spare tv camera; 27. VR 1200 Ampex video tape-recorder; 28. sound vision microwave links, transmitter and receiver equipment; 29. paint store and chain locker; 30. galley.

FRANK BELLAMY

SOUTHERNER