

Look-in

Junior TVTimes No 5 6 Feb 1971 Every Friday Js.(5p)



**In this power-packed issue:
A Look-in on Motor Racing
Children's Formula 6 Club**

**★ SPECIAL SUPPLEMENT ★
THE GREATEST SHOW
ON EARTH (PART 2)**

Look-in

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The Editor writes: *Very briefly I would like to explain one or two things about the printing of LOOK-IN. In order to get copies to your newsagents on time, we have to prepare each issue several weeks in advance.*

That is why we have had to wait a while before publishing the first 'Your View' page.

If you turn to page 15, you will see that the waiting is over. 'Your View' has arrived in LOOK-IN and will now be included each week in the magazine.

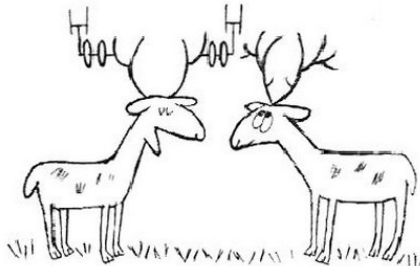
Just a word about your cartoons. Quite a number of you have sent in riddles and 'knock knock' jokes. These are very amusing but I would prefer you to let me see some of your original cartoons.

Don't worry if your drawings are not as good as Artie's . . . we will have your cartoons redrawn, and you will still win the prize of a £1 postal order, plus the 'Your View' star's signed photograph if your cartoon is published.

Well, I think I've chatted enough for this week, so let's get right down to LOOK-IN by starting off with a few laughs from Artie.

Alan T. Farrell

'YOUR VIEW' . . . starts this week on page 15. Don't be disappointed if your letter is not published. Space allows only a few letters to be included each week, so if your letter is not amongst this issue's choice, it may appear at a later date.



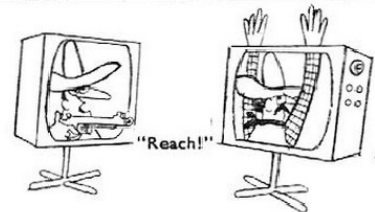
"I've got the aerial, now all I need is a TV set!"



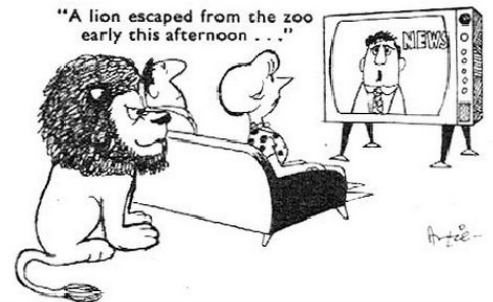
"Say 'AH' . . ."



"I think it's meant to say 'Do not adjust your set!'"



"A lion escaped from the zoo early this afternoon . . ."





Crowther in trouble

MARVELLOUS! I'VE A WHOLE DAY OFF TODAY. H'MM, NOW WHAT'S THE BEST WAY OF RELAXING?



FISHING—THAT'S THE PERFECT ANSWER! NO SPOT-LIGHTS, NO EXCITEMENT—JUST PEACE AND QUIET!



IT'S WONDERFUL—I FEEL BETTER ALREADY. NO ONE TO RECOGNISE ME—NOT EVEN THE FISH!

NOW TO CAST—OR WHATEVER THEY CALL IT!



OH, NO! THERE GOES MY FISHING HAT! I DON'T THINK I'VE THE KNACK...



I SHOULD JUST REACH IT—I HOPE! CAREFUL, THE BANK'S A BIT SLIPPERY...



SLIP!

AAAAGH!

SPLASH!



GREAT SCOTT—SOMEONE'S FALLEN IN!

COME ON! GIVE A HAND!



WHY, IT'S LESLIE CROWTHER!

WE WATCH HIS TV PROGRAMMES...



HOW DID IT HAPPEN?

... I'LL THINK OF A CLEVER ANSWER IN A MOMENT...



GREAT STARS—NO WONDER! LOOK AT THE SIZE OF THAT CARP!

WELL DONE! IT'S THE LARGEST I'VE EVER SEEN CAUGHT HERE.



A LARGE CROWD SOON GATHERS... AND...

I KNEW I'D THINK OF AN ANSWER!

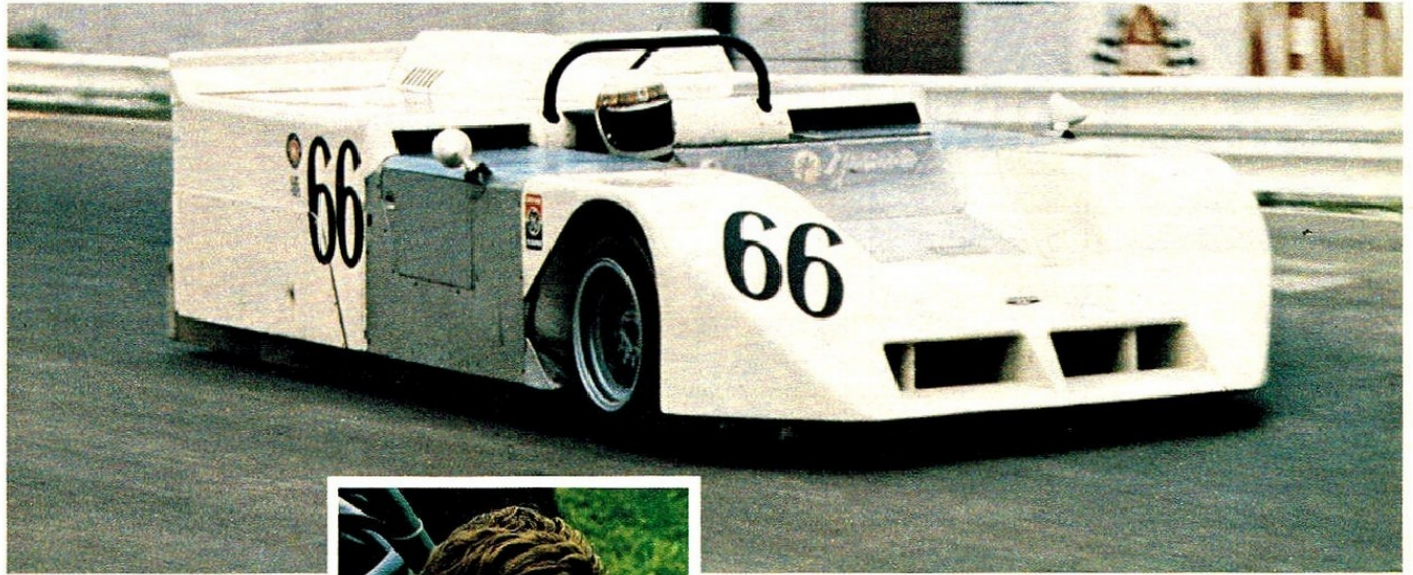
WONDERFUL! WE NEED A RECORD OF THIS, MISTER CROWTHER! WE'LL SEND PHOTOS TO THE PRESS!



OH, WELL! TOMORROW I'LL HAVE A NICE RELAXING DAY AT THE THEATRE! AS FOR FISHING—I'LL LEAVE THAT TO THE BIRDS!

LESLIE CROWTHER BECOMES CHAMP ANGLER

Top Speed Secret-Snatchers!



Freewheelers' Major Graham (Eric Flynn) settles in the cockpit of the special Formula III racing car.

CRACK! The lethal little bullet whistled across the racetrack and smacked into the front tyre of the 150 mph single-seater racing car. A terrifying whirlpool spin gripped the sleek red machine. Tyres shrieking in tortured protest. The car crunched into a grass verge—and one man's race was over.

Behind the hedge, a hidden marksman's cruel eyes glinted in satisfaction.

Kidnap, extortion, theft; it's amazing what some people will do just to get the secret of a rival's race-car.

Mind you, when the secret is an engine that runs without petrol, what can you expect from the opposition apart from fireworks by the bucket-load?

And fireworks are exactly what you get in the heart-stopping new *Freewheelers* adventure series.

In real-life, too, a high price is put on the other man's secrets.

The spies will be busy when the 1971 Grand Prix season roars into life next month, snooping around pits and workshops after valuable data.

What secrets will be their special targets this year?

High on the list will be four wheel drive—which sounds complicated but isn't really. By making the engine turn the front wheels round as well as the back ones, it is a good way of putting oodles of extra power on the road. And it gives a car much faster cornering than normal two wheel drive.

The experimental four wheel drive Lotus was a sensation of 1970: and if Lotus perfect the system for other models they'll be sweeping up the opposition in 1971.

"Sweeping up" is *exactly* what Texan millionaire Jim Hall is planning to do this year. His mighty racers are fitted with built-in vacuum-cleaners like in the picture above.

Crazy? Jim doesn't think so. Mounted underneath, they keep Jim's cars clinging to the track like limpets.

And the tyre-companies have enough race-winning secrets in their research laboratories to set even a master-spy's spine tingling.

A top priority for 1971 is the all-weather racing tyre.

Up until now, racers have had to have two sets of tyres—one for wet tracks, one for dry. Team managers have to fit one or the other before the race—and pray that last night's TV weatherman was right. '71 could see the problem beaten.

This year's season is sure to see big advances in wind-cheating bodywork, too.

Hints of things to come include last year's French Matras, with wind-tunnel-tested body-sides, to stop the cars taking off at 180 mph-plus; the British Lotus 63, which had radiators mounted behind the driver's ears and—most spectacular of all—the American AVS Shadow racer, which was only 18½ inches high!

Unfortunately, the Shadow was so low that there wasn't any room for proper radiators! So hard luck, chaps, and back to the drawing board.

One place where there is no room for bad luck is in the pits: skilful timekeeping is almost as important as good driving. This is the ladies' job.

From Brands Hatch to Monaco, you are sure to see pretty girls with stop-watches on the pit counters—touches of glamour in the secrets-and-engine-oil world of GP racing.



Junior Racing Car Club

AT race tracks throughout the country, the Junior Racing Car Club organises races for children. Driving cars like the Barnard Formula 6, shown above with Colin Chapman's son, Clive, youngsters are taught all there is to know about road sense. Look out for future details of this exciting new form of motor racing. Who knows? Maybe you'll be competing on the track in the near future... but you'll have to wait a few years before you are old enough to handle the revolutionary Lotus 63 pictured below.



FREEWHEELERS



THE SPIES HAVE JUMPED CLEAR!

I CAN'T BUDGE THIS DOOR... OR THE WINDOWS...

THE FREEWHEELERS ARE TRYING TO DISCOVER THE ROUTE USED BY FOREIGN SPIES TO GET AGENTS OUT OF BRITAIN. THEY FOLLOW THE TRAIL TO CORNWALL AND FIND THAT THE SPIES ARE USING A PRESERVED RAILWAY LINE. WHILE MAJOR GRAHAM AND MAX NARROWLY ESCAPE FROM A SABOTAGED TIN MINE SHAFT, MIKE AND SUE ARE LOCKED IN AN OLD RAILWAY COACH AND DRIVEN TOWARDS A RICKETY VIADUCT DUE FOR DEMOLITION...

THEN MIKE HAS AN IDEA...

SUE—HELP ME WITH THIS SEAT. WE CAN USE IT TO SMASH THE WINDOW!

MIKE—WE MUST HURRY!

WE'VE DONE IT, SUE...

THERE IS NO TIME TO BE SCARED OF THE AWFUL DROP TO THE RIVER BELOW...

THE SLAP OF THE WATER NUMBS THEIR SENSES...

DEEP BENEATH THE SURFACE, THE TWO FREEWHEELERS SINK...

SUE'S IN TROUBLE—GOT TO GET HER TO THE SURFACE...

FIGHTING FOR AIR, MIKE CATCHES SUE'S ARM AND SWIMS UPWARDS...



I'M ALL IN... DON'T KNOW IF I'LL MAKE IT...

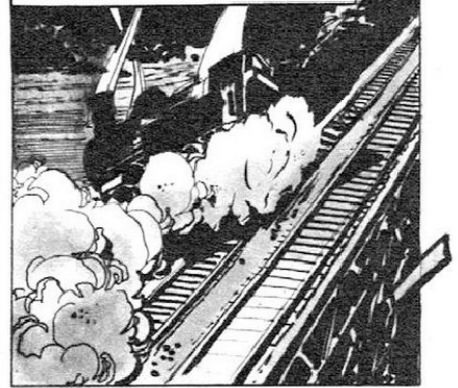
THEN THE CHILL WATER REVIVES SUE...



MIKE... I...

DON'T TALK, SUE... GET CLEAR OF THE VIADUCT... IT'S READY TO GO...

NEXT SECOND, THE WHOLE VIADUCT AND THE MANGLED WRECKAGE PLUNGES EARTHWARDS...



HEAD FOR THE BANK, SUE... IF ONE OF THOSE TIMBERS HITS US - WE'VE HAD IT!

EXHAUSTED, THEY PULL THEMSELVES TO SAFETY...



SOMEONE'S COMING... CAN'T FIGHT ANY MORE...

IS IT THOSE FOREIGN AGENTS?

THEN SUE'S QUESTION IS ANSWERED...



MAJOR... MAX...



THE FIRST THING TO DO IS TO GET YOU TWO TO THE INN FOR A HOT BATH AND A CHANGE OF CLOTHES. BUT WE'VE GOT THE ADVANTAGE OVER THE SPIES NOW. THEY THINK WE'RE ALL DEAD!



WE WATCHED THEM LOCK YOU IN THE TRAIN. WHEN WE SAW THOSE SPIES COME BACK WITHOUT THE LOCO, WE THOUGHT YOU WERE FINISHED!

TWO HOURS LATER...



ALL SET? RIGHT! LET'S DEAL WITH THIS SPY RING ONCE AND FOR ALL!



MAX AND I TOOK THE WRONG TUNNEL, I'M SURE OF IT. WHEN YOU'VE GOT YOUR BREATH BACK, WE'LL START AGAIN!



'Thames Magpie'



Here, Pete and Tony erect the mainsail. To see them at work, you'd think they were born sailors!

AHOY THERE, me hearties! Look who this is swabbing down the decks like a real sailor girl. Yes, it's Sue Stranks from *Magpie*. And here she is giving the programme's own boat, *Thames Magpie*, an early spring clean.



This task involves operating a plunger device—rather like a car tyre pump—in order to eject any water that has leaked into the craft during the winter months.

You may wonder what prompted Sue, Pete and Tony to board *Thames Magpie*—a trim twenty-two-foot-long 'Jenny Wren' class motor-cruiser—at its moorings in Teddington. Well, they thought that after a few months of bobbing inactively on the river, their boat deserved a bit of attention—especially as they planned to take it out on its maiden voyage of the season.

Then Pete and Tony set about erecting the mast with gunter mainsail and single jib. For the benefit of landlubbers a gunter is simply a rig where the mainsail (the one that points rearward or 'aft') is four-sided, the top edge secured to a pivoting 'gunter yard' forked against the mast.

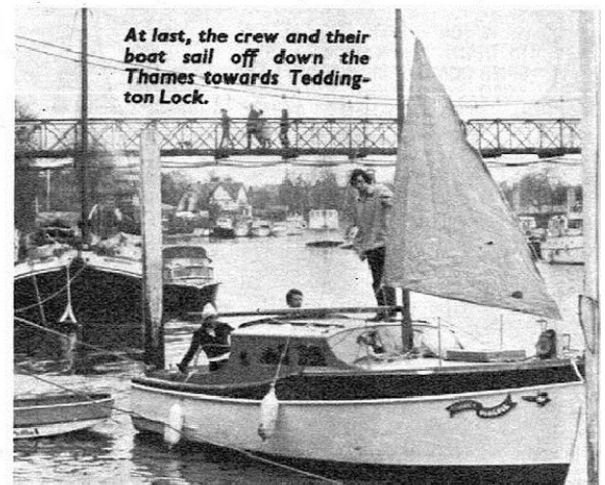
The first thing Sue did (after giving *Thames Magpie* the once-over with a mop), was to set to pumping the bilges.

Once they had got the mast into position, Sue, in true nautical fashion, winched up the anchor and the mooring line was slipped, to allow *Thames Magpie* to sail away gracefully. This attractive little craft is equipped with an engine, too, but as the three soon found out, there was a strong headwind and it wasn't needed.

From then on, everything was plain sailing for *Thames Magpie* and her crew!



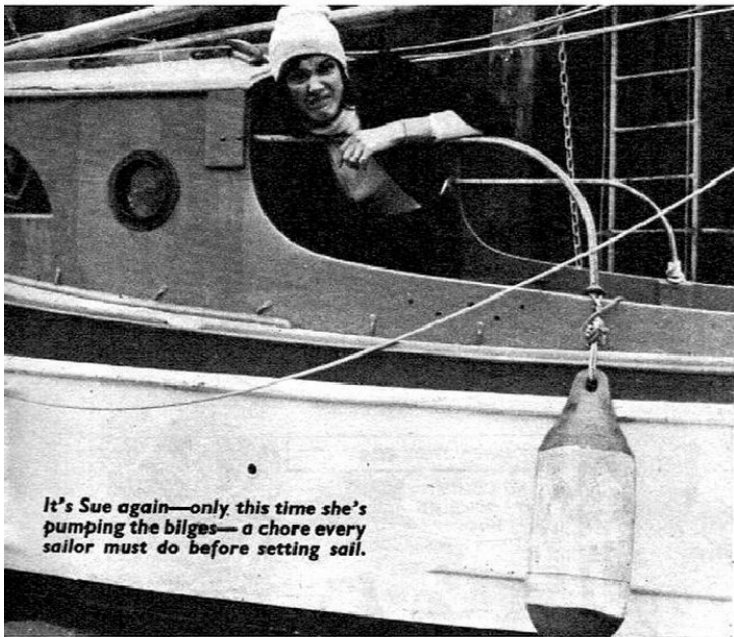
Sue wants to board the *Thames Magpie* dinghy but as you can see, life on the river can be a tricky business sometimes!



At last, the crew and their boat sail off down the *Thames* towards Teddington Lock.

Sets Sail

Pete, Sue and Tony prepare for a trip downriver!



It's Sue again—only this time she's pumping the bilges—a chore every sailor must do before setting sail.



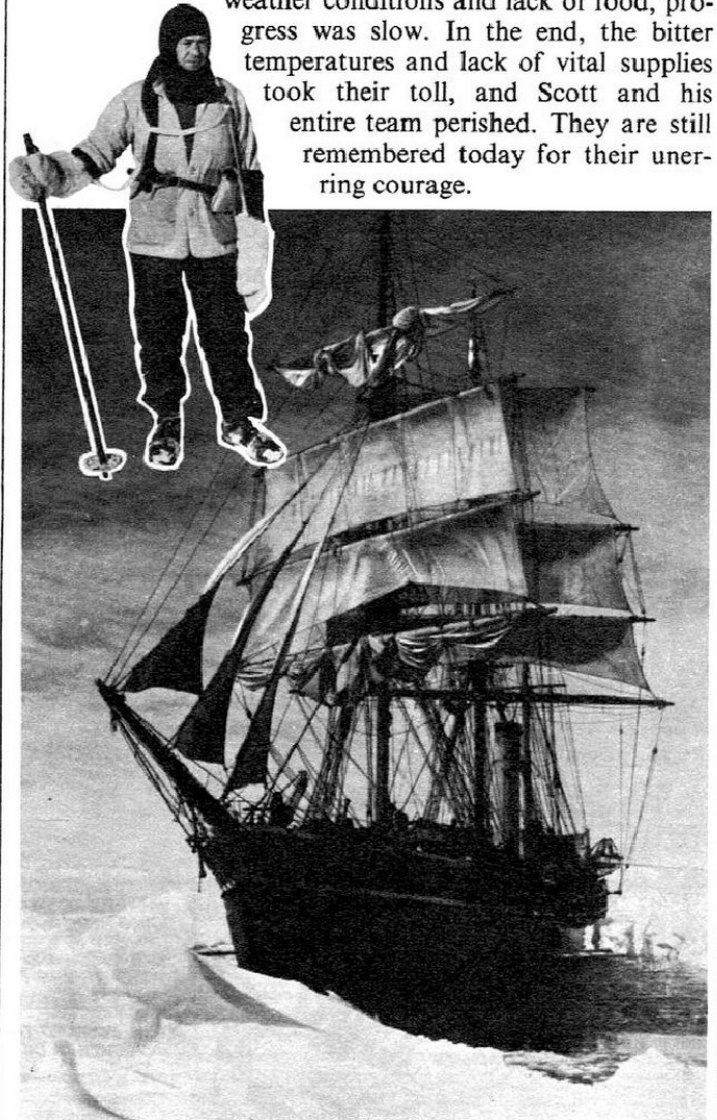
Scott's Last Journey

TALKING about boats, perhaps you remember the *Terra Nova* from the *Magpie* programme on Tuesday, January 12th. A massive vessel, it was used by Captain Scott when he made his epic journey to the Antarctic. The *Terra Nova* would have dwarfed the *Thames Magpie*—and no wonder! Its hull even had to be shod with iron so that it would slice through the thickest ice belt in the world.

Scott and his comrades reached their winter quarters at Cape Evans in January, 1911. There, they left the *Terra Nova* and after months and months of preparation set off on their long trek towards the South Pole.

Their equipment included pony sledges to carry the food and supplies which had to be left at intervals along the route, for use on the return journey by the five-man polar team. Scott and his party eventually reached the South Pole—only to find that Roald Amundsen, the Norwegian explorer, had got there before them. Disheartened, Scott and his team began the long journey home. But hampered by appalling

weather conditions and lack of food, progress was slow. In the end, the bitter temperatures and lack of vital supplies took their toll, and Scott and his entire team perished. They are still remembered today for their unerring courage.



'Magpie' and 'Tony Baseable's Backchat' are published by arrangement with Thames Television Ltd. © 1971 Thames Television Ltd.

WRECKERS AT DEAD EYE

ESCAPING FROM THE FRENCH REVOLUTION, THE YOUNG MARQUIS DE MIRABEAU, HEIR TO A FORTUNE IN JEWELS - IS SHIPWRECKED OFF DEAD EYE. STABLE-LAD ZAC RESCUES THE BOY FROM EYE-PATCH AND JON-IO, AND TAKES HIM TO CAP'N SHADRACH'S HOUSE, BUT THAT NIGHT, THE SMUGGLERS BREAK IN, AND...

THEY DIDN'T ATTACK THE MARQUIS HIMSELF, ZAC. THEY ONLY CUT THE FRILLED CUFF OFF HIS SHIRT.

SUDDENLY, THE YOUNG MARQUIS STIRS...



THE OTHER ONE'S MISSING, TOO! WHAT'S BEHIND ALL THIS?



M...M'SIEU, I DO NOT KNOW EXACTLY WHERE ZE JEWELS ARE HIDDEN, BUT ZERE WAS A MAP-PRINTED IN TWO PARTS ON MY CUFFS...



ONE WAS TORN FROM MY SHIRT DURING ZE FIGHT IN ZE OLD MILL. ZE THAGS MUST 'AVE FOUND IT.

OF COURSE! AND WHEN THEY REALISED ITS IMPORTANCE, THEY CAME HERE FOR THE SECOND ONE!



THEN THEY KNOW WHERE THE JEWELS ARE! WE MUST STOP THEM!

AYE CAP'N! WE'LL CATCH THEM AT THE OLD MILL!



BUT WHEN THEY REACH IT...

NO LIGHTS! IT LOOKS AS IF...

BEHIND YOU, LAD - LOOK OUT! IT'S WHITNEY - ONE OF EYE-PATCH'S GANG!



HARR! TASTE COLD STEEL, YOU TWO SNOOPERS!

USH! GOT TO MOVE... NOW!

THAN-N-G!



...NOW IT BE MY TURN, YE SCURVY BILGE-RAT!

MMPFF!

THUNK!



TALK - WHAT WERE YOU DOING HERE ALONE? WHERE IS EYE-PATCH AND THE OTHERS?

@_GONE TO THE BEACH, SOUTH O' DEAD EYE...

...I WAZ LEFT 'ERE TO FOIL ANY PURSUIT BY YOU AN' CAP'N SHADRACH...

...THE MAP ON THEM CUFFS SHOWED THAT THE JEWELS WAZ HIDDEN IN THE BOAT THAT BROUGHT THE MARQUIS 'ERE FROM FRANCE...

THE WRECK - SO THAT'S IT! IT'S LOW-TIDE NOW - EYE-PATCH CAN JUST WALK OUT AND TAKE THEM. WE'RE TOO LATE!

TONY BASTABLE'S BACKCHAT

THE FLYING SAUCER FILE

IT IS five minutes past six on April 28th, 1952. You are walking beside Lake Tanwax in Pierce County, Washington, U.S.A. As you stroll along, you're suddenly aware of a strange humming sound from above. You look up and see ten dark disc-shaped objects hurtling across the sky from right to left. In an instant they change course and shoot away from you, disappearing over the horizon.

That's a good story, you're probably thinking. Except that it actually *happened!* A number of people saw the flying discs and the story was reported in the 'Seattle Port Intelligence' on April 30th.

It is just one of literally thousands of seemingly inexplicable sightings of strange, aerial objects. We've grown to call these things 'flying saucers', and people


will ask us whether or not we 'believe' in them.

The truth of the matter is that there have been such a great number of 'sightings' from so many different places that, if you read the facts, it's rather difficult *not* to believe in them!

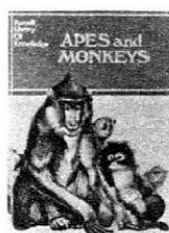
What all this is building up to is that from today, LOOK-IN becomes 'Look-Up' and the flying saucer file is opened. I can't tell you just what to look for, of course. But if you *do* think you've spotted something rather weird, whilst you've been star-gazing, jot down the precise time, place and description (and be careful it isn't an aeroplane that you see) and send it in.

Who knows, we might be adding to science!

Write to: *Flying Saucer File, Backchat, LOOK-IN, 247 Tottenham Court Road, London W1P 0AU.*



SALEM, Massachusetts, in 1952, and a U.S. coast-guard took this photograph of several bright lights which crossed the skyline in a 'V' formation. It was believed these could well be flying saucers!



DO you know what Istanbul was originally called? I, for one, didn't have the faintest idea until I took a look at just one book in a series of six, released by Purnell publishers. The answer is *Constantinople*, which is the title of this particular volume giving the full, exciting story of the ancient Grecian town.

There are five other titles in this set, too—four covers

of which are shown here.

Prehistoric Animals, Apes and Monkeys, Looking at Pictures, The Story of the Jews and The Story of Rockets and How They Work.

Okay! Each book is filled with illustrations and is priced at fifteen shillings. And, in my opinion, they're worth every penny!

PURNELL LIBRARY OF KNOWLEDGE. PRICE: 15s (75p) EACH.

Survival

First of four articles
by Colin Willock
introducing

The Beaver Kingdom

YOU HEAR a great deal about conservation these days. Conservation means saving wildlife. That's very important. I agree. But far more important, in most cases, is saving the natural surroundings in which wildlife lives. Once you've done that, the animals themselves have a chance of thriving.

The character I want to introduce to you this week is one of the best conservationists in the business. The remarkable thing about him is that he isn't a member of the World Wildlife Fund or even a ranger in a national park. He's an animal himself. His full name is *Castor canadensis*. To you and me he's the plain, but never simple, beaver.

Why should a beaver help other animals to survive? Why should he bother to help man by improving the state of wilderness areas? The answer to both questions is that the beaver doesn't do any of these good works deliberately. They just happen because the beaver likes building dams across rivers, digging canals and chopping down trees to help himself to live comfortably.

A fully grown beaver weighs around thirty pounds. He's fantastically tough and an Olympic Gold Medallist when it comes to swimming and diving. He can stay underwater for up to fifteen minutes. When he submerges, his heart-beat slows down so that he needs less oxygen. Valves in his nose and ears shut automatically, to keep out the water. As for goggles, transparent lids close across his eyes when underwater.

The beaver's fur is rich and silky. He ranges from Alaska to the Mexican border. Many hundreds of years ago, the beaver lived in Britain. He's still to be found in

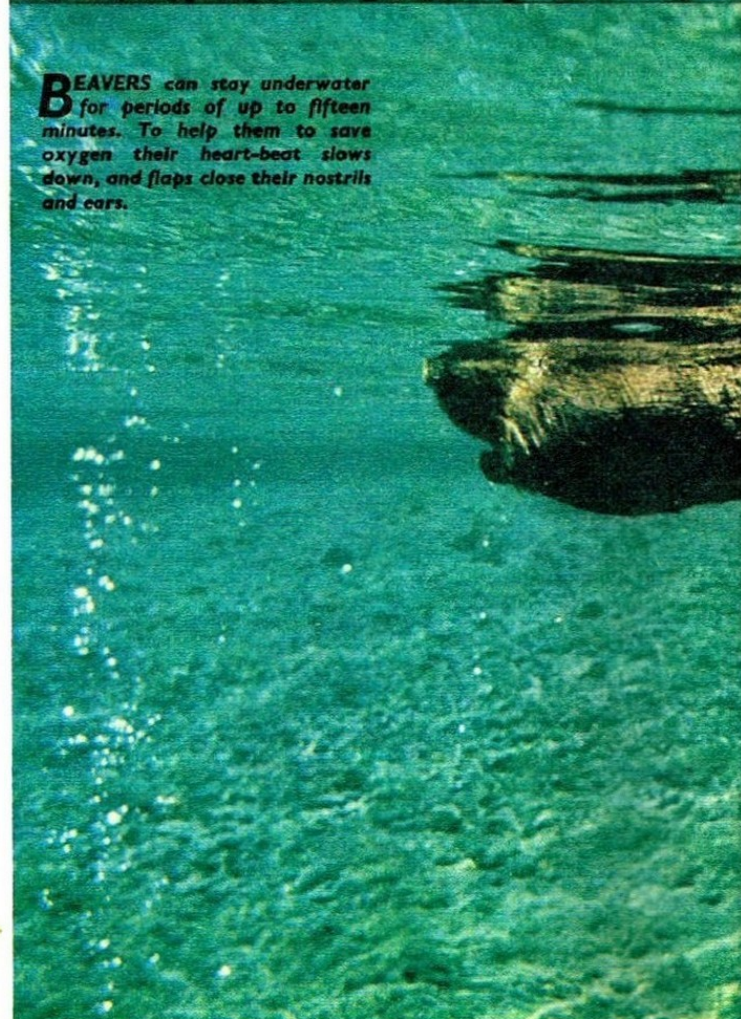
France, Scandinavia, Poland, Germany and Russia.

Beavers have front teeth as sharp as chisels. They need them to cut down

LUCKILY beavers often cut down trees which are not especially useful to man, like the cottonwood tree. Felling a big tree like this may take several days.



BEAVERS can stay underwater for periods of up to fifteen minutes. To help them to save oxygen their heart-beat slows down, and flaps close their nostrils and ears.

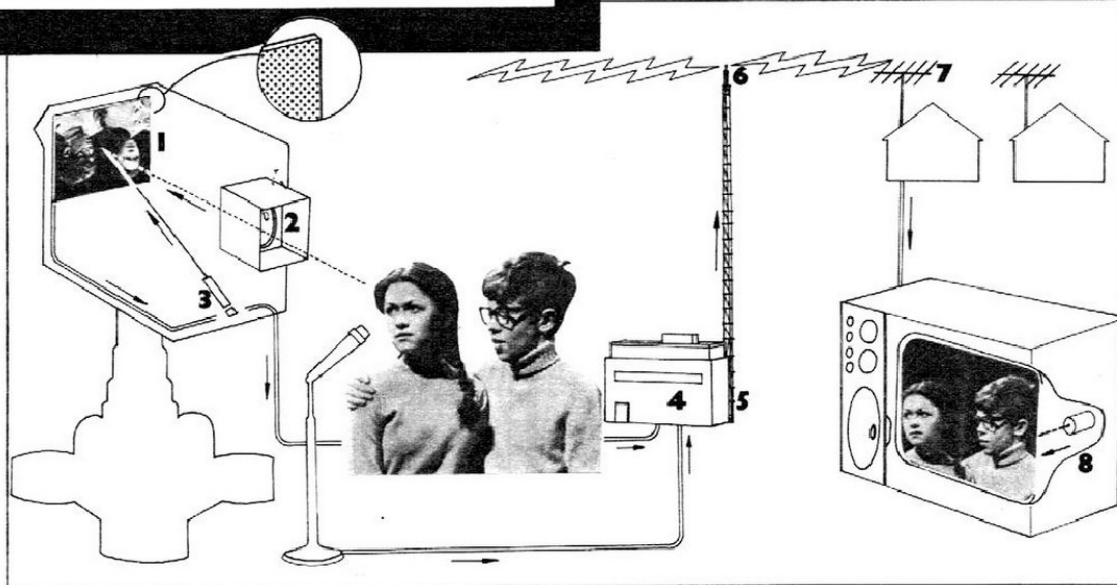


[Photographs courtesy of Jen & Des Bartlett]



THE GREATEST SHOW ON EARTH

The Magic of Television



MOST people enjoy watching television. But have you ever wondered just how a picture, taken many miles away, appears on your TV screen? The picture on your set is made up of lines. A tiny spot of light sweeps very quickly across the screen from left to right, rather like reading a book. The reason for this is that to broadcast a picture it must be broken up and looked at a piece at a time, so that each tiny piece can be turned into an electrical signal.

In the sort of camera that you take on holiday with you, the lens focuses the scene on to a piece of film. In a television camera, instead of a film, there is a special plate (1) covered with many thousands of tiny dots of a metal called Caesium. This metal, when light falls on it, develops an electric charge and the stronger the light the stronger the charge. When the lens (2) focuses the scene on to this plate each tiny dot develops a charge. The dots in bright parts of the picture get a strong charge. Those in dark parts get a weaker charge.

Next we have to transfer all these electrical signals from the plate and get them ready for broadcasting. This is done by a special 'gun' (3) in the camera. This 'gun' shoots out a very thin beam of cathode rays and makes it sweep very quickly to and fro across the plate, creating a series of lines exactly the same as the ones on your set at home. As this beam touches each dot on the plate it detects its electric charge and passes the information back to the Control Room (4). From here it goes to a transmitter, (5) which amplifies it, that is makes it very much stronger, and sends

it up to an aerial (6) on the top of a very tall mast. Your aerial at home (7) can pick up these signals and your television set uses them to re-create the scene that the camera is looking at (8).

All this happens very, very fast. If you shut your eyes suddenly the image in your eye does not go at once, in fact it takes about one-twelfth of a second to fade. You can try this for yourself. Look hard at something dark on a light background, perhaps a picture on a wall, and then suddenly shut your eyes. For a moment you will still see the outline even though your eyes are shut.

Both television and the cinema take advantage of this. Both are made up of a large number of still pictures, but they follow each other so quickly that your eyes cannot see the change from one to the next. It looks as if you are seeing a continuous moving scene.

To make one picture on the screen of your television set the tiny spot of light has to sweep across it again and again, 625 times, and it has to do that 25 times every second.

Well, that is the incredible story of how television works. It took many people to invent it, but the first ideas go back less than a hundred years. The first regular programmes were broadcast in 1936 and already, whether it is fun or facts that you want, television is the most widespread and exciting of our media.

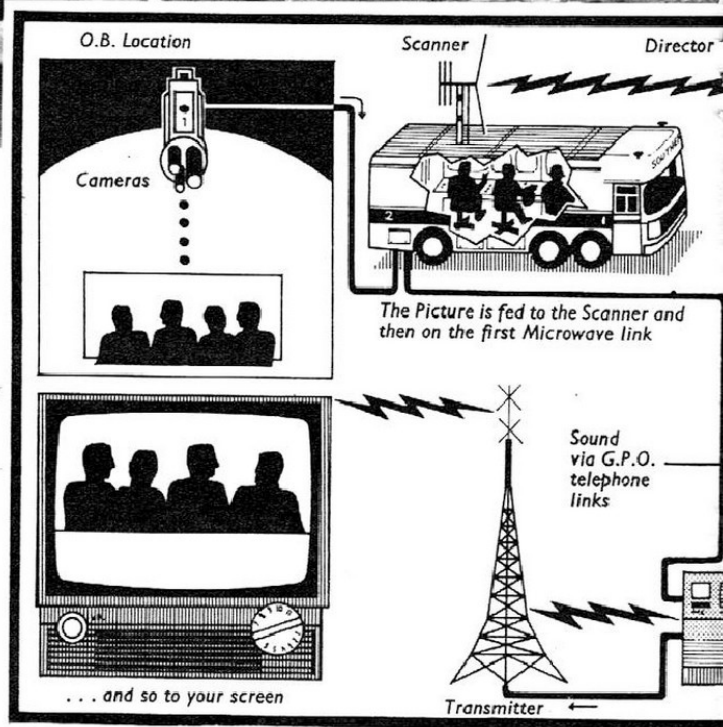
THE GREATEST SHOW ON EARTH



Above, an Anglia TV camera team in action at a football match.



This portable 'back pack' TV camera enables the cameraman to get closer to his subject.



A Yorkshire colour camera goes into action for another exciting OB.



The production control desk inside Southern Television's mobile control room

OUTSIDE BROADCAST

How it works

HAVE any of you wondered *how* outside news and sporting events reach your television screens 'live' from where they are actually happening? Well, the answer is a system used in television called 'Outside Broadcast'.

The nucleus of a completely self-contained outside broadcast unit is the scanner van—a mobile technical centre and producer's control room. The pictures from all the outside cameras come into this van, where the producer assembles his programme and sends it complete and ready for transmission to the programme company's master control room at the main TV station.

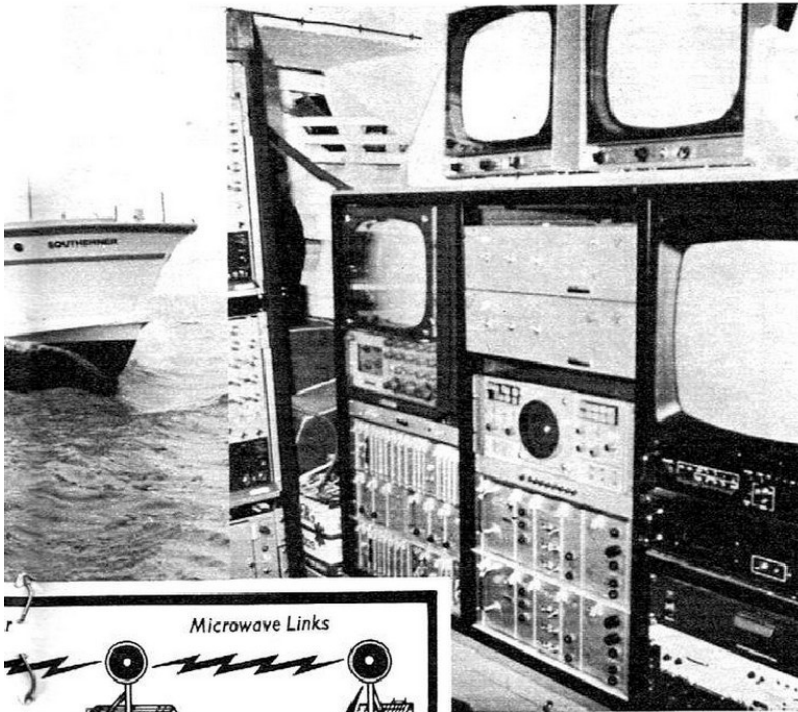
It is interesting to note that before a particular event is to be televised, a number of cameras are placed in strategic positions. Say, for example, a company was covering motor racing. Cameras would be placed on the bends of the circuit, where the race finishes, and any other likely places where the exciting pictures could be taken.

Now, when all the cameras have been linked with the scanner van by cable or microwave link—a radio beam sent from a circular dish aerial—everything is finally set for filming.

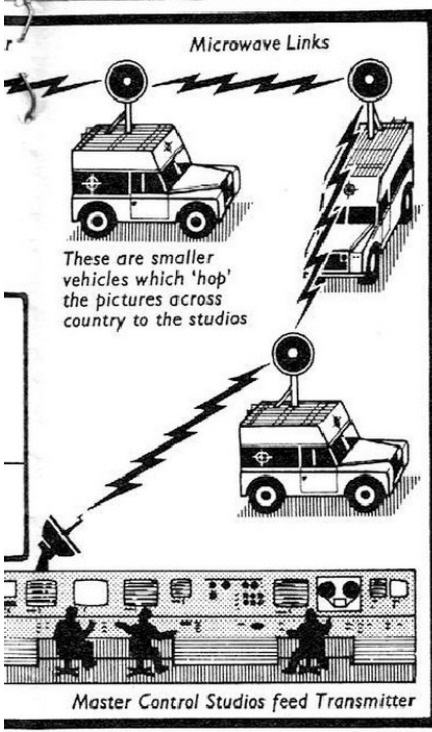
If there are nine cameras being used, the producer will be watching *ten* television screens—one for each of the nine cameras, and the tenth showing the picture he has selected for transmission.

The commentator in his box has a television monitor so that he can follow the programme as it is transmitted and see what the producer wants. The commentary, together with sound effects from microphones placed near the cameras, come to the sound controller in the scanner van, who, like his colleagues on the vision side, feeds the right sound into the right picture as the producer requires.

When the programme goes out live, communications engineers have to erect microwave links which take the pictures from the scanner and 'hop' them back to the studios. Then the pictures are fed to transmitters, and finally on to your screens!



'Southerner', Southern TV's outside broadcast boat . . . the only OB unit afloat . . . with, above, a general view of the control room.



These are smaller vehicles which 'hop' the pictures across country to the studios

Master Control Studios feed Transmitter



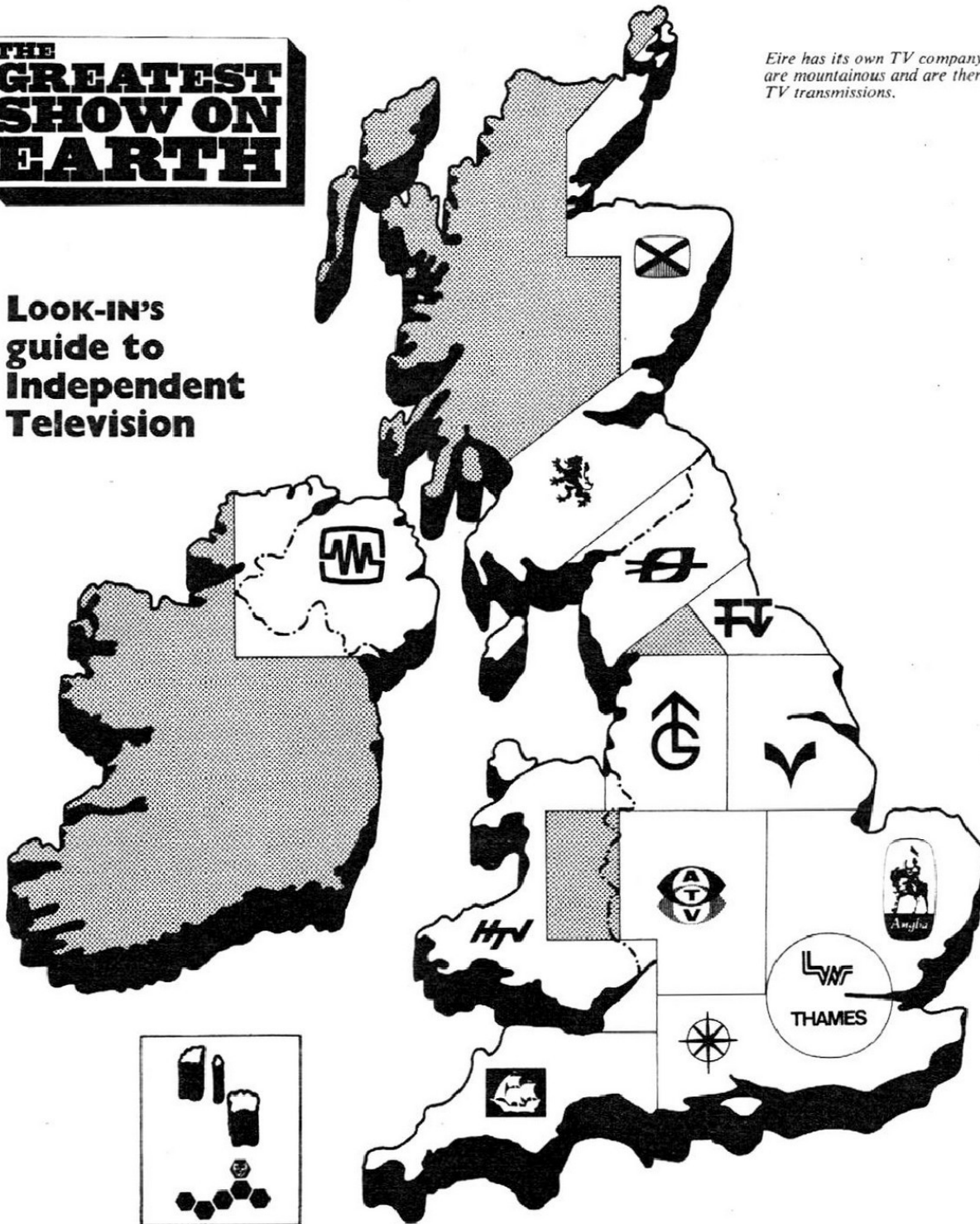
Part of Westward TV's OB unit. These small, one-camera vans like that above, reach an event very quickly.



room. The control room is the nerve centre of Southern's four camera colour OB unit.

THE GREATEST SHOW ON EARTH

LOOK-IN'S guide to Independent Television



Eire has its own TV company—other shaded areas are mountainous and are therefore unreachable by TV transmissions.

BEFORE ITA—the Independent Television Authority—was formed, people could not choose which channel they wished to view on their television sets—there was only one! Then, in 1954, after the Television Act was passed, Sir Kenneth Clark became the first Chairman of ITA.

The first offices of the Authority were a temporary premises just off London's Park Lane and the nucleus of staff was a small group of technicians lent to ITA by the General Post Office.

The first area to actually receive a broadcast was London, in 1955. Not long after, stations were opened in the Midlands, Lancashire, Scotland and Wales and finally in the more outlying parts of the British Isles. Now, there are *fifteen* separate programme companies under contract with ITA, shown in the map above.

One of the biggest advantages of an Authority like ITA is that it has brought a regional flavour to television. The programmes themselves are created with the viewers in mind.

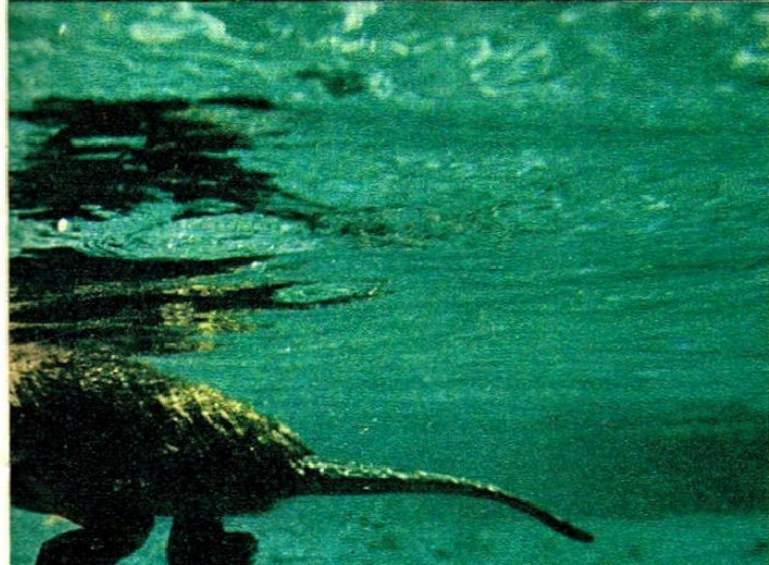
Every week the programme companies together provide for the Authority's transmissions a total of about one hundred and twenty hours of different programmes produced in their own studios.

Have fun by trying to decide which company operates where. Your programme pages in LOOK-IN will provide the answers.



LEF: Beavers make great alterations to the landscape by building dams. Most of these alterations bring benefits both to man and wildlife.

KITS (young beavers) are born in early spring before the ice on the ponds outside melts. They are safe and snug inside the nursery chamber of the lodge which is built of sticks and mud.

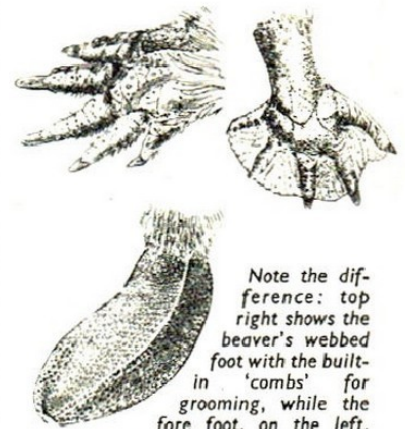


branches and even whole trees which they chop up for food or to build their dams and lodges. The beaver's orange teeth keep growing all the time. Fortunately, they are worn down to the right size with all that tree-felling.

A beaver's coat must be warm and waterproof. He keeps it in good trim by coating it with *castoreum*, an oil which he gets from a gland underneath his tail. That's where the word *Castor* comes from in his scientific name.

He is also equipped with built-in 'combs' in the form of two divided nails in his webbed hind feet. He grooms his fur with these after a swim.

Perhaps the beaver's most outstanding feature is his tail. It's flat and scaly and shaped a bit like a table-tennis bat. This tail acts like a plane's elevators when he's diving. The beaver also uses it as a warning signal, slapping it hard on the surface of the water when he wants to warn his family of approaching danger.



Note the difference: top right shows the beaver's webbed foot with the built-in 'combs' for grooming, while the fore foot, on the left, has no web. The beaver's powerful tail, left, is a valuable asset.

The beaver is also a great natural engineer, building dams which are the envy of many human architects. The beaver's lodge, for instance, is so firmly cemented together with mud and sticks that even large animals cannot break in from outside.

In next week's article, I will be telling you exactly how the beaver goes about his building projects and some of the problems that these cause to roads and railways.

It is a fascinating story, and of course the 'Survival' photographers will be on hand to provide some really beautiful colour pictures.



LEF: kits or kittens, stay with their parents for two years. In the early weeks they learn valuable lessons, like when to expect danger.

LOOK at THIS



COMPLETE STAMP COLLECTORS OUTFIT FREE!

Here's your chance to get a beginners Stamp-Collectors Outfit, absolutely FREE. This Outfit, worth at least 5/-, contains everything to start you off on the World's Finest Hobby. This is what it includes:

1. The Howden Junior Stamp Album, extra leaves can be inserted and a luxury binder obtained if required.
2. Magnifier to check stamps for flaws, etc.
3. Stamp Wallet for "swaps", etc.
4. Perforation Gauge to measure perforation.
5. Black Watermark Detector, plus full instructions on how to use items 4 and 5.
6. Metal Tweezers for handling stamps properly.
7. Stamp Identifier tables to enable you to find the countries of origin of all stamps.
8. Land Finder World Map.
9. Packet of Stamp Hinges.
10. Colour facsimile of World's rarest stamp. (Original worth £35,000).
11. "How to Organise a Stamp Club" leaflet.
12. Super Stamp Club Badge in red, white and blue to wear in your lapel.
13. Price List of Albums, packets of Stamps, Accessories, etc.
14. A sheet of 100 Flag Stamps (gummed and perforated just like stamps) all in correct colours to dress up your album pages.
15. A Special packet of 10 different stamps from 10 different countries to start you off on this grand hobby.

The above 15 items will be sent to you ABSOLUTELY FREE if you fill in the coupon below and post it to us with 6d. in stamps for postage and packing. We will also send you a selection of our famous SPECIAL APPROVALS—a booklet of priced stamps. You can buy any you wish or return if you don't wish to buy them. You are under no obligation to buy anything. We will also send you a free VOUCHER-CHEQUE value 12/6. This enables you to buy a complete 25/- approval book at half-price, if you wish. Please tell your parents you are sending for this FREE Outfit and Approvals.

To: PHILATELIC SERVICES (Dept. LI.1) Eastrington, Goole, Yorkshire.

Please send me the Free Stamp Collector's Outfit described above and your special Approvals for inspection. I enclose 6d. in stamps for postage and packing.

Name.....

Address.....

How about your friends? Owing to the value of this Offer, it is limited to one Outfit per applicant. But many of your friends will want to send for this offer, so write their names and addresses on a piece of paper, enclose 6d. for each, and we will gladly send the Outfit and Approvals to them. No need for them to use the Coupon.

50 Different GREAT BRITAIN

ALL FREE!!!

(including 12 L-A-R-G-E special commems. plus facsimile block of 6 Penny Blacks, Wonderful collection of 50 all different Great Britain stamps, including 12 large sized special-issue commemoratives. Also a block of 6 unused facsimile PENNY BLACKS—the first stamps in the world (originals would be valued at about £500!). All sent ABSOLUTELY FREE if you just ask to see our fine new Approval Sheets of British and Commonwealth only stamps. No obligation to buy any. Please tell your parents you are writing.

D. J. Hanson Ltd., (Dept. LI 65), Eastrington, Goole, Yorks.

SPORTS STAMPS QUIZ

1. Did Britain issue special stamps for the Football World Cup in 1966?.....
 2. Did England issue a special stamp for winning this cup in 1966?.....
 3. Has Britain issued special stamps for the Commonwealth Games?.....
 4. Has Britain issued special stamps for the Olympic Games?.....
- Prizes:** 5 large SPORTS STAMPS free for every correct answer. Special collection of 27 large-sized splendid SPORTS, FOOTBALL & GAMES stamps, from many countries, including the illustrated stamp showing the famous Brazilian footballer PELE, free for 4 correct answers. Our Approval Selections will also be sent to all entrants. (Please tell your parents).
- Philatelic Services, (Dept. LI.62), Eastrington, Goole, Yorks.**

STAMP QUIZ ?

DO YOU KNOW?

1. What country puts "C.G.P." on its stamps?.....
 2. Does ICELAND issue stamps?.....
 3. Name any country which has issued TRIANGULAR stamps?.....
 4. What country issues special CHRISTMAS stamps?.....
- PRIZES:** We will send you a special prize packet of 25 choice stamps free for each question you answer correctly. 150 different fine stamps free (catalogued about 50/-) plus the famous 110-years-old British PENNY RED stamp valued (1/6d), for 4 correct answers. We will also send you our wonderful New Approvals. Please inform your parents.
- UNIVERSAL STAMP COMPANY (Dept. LI. 7) Eastrington, Goole, Yorks.**



THE SHAPE OF SPEED TO COME

Aerodynamically styled, the Adam's bros. incredible Probe 16 is powered by a B.M.C. engine. This accurate Corgi model has a sliding transparent roof panel, while Whizzwheels give it all the super-speed you want. **Price 7/-.**

Here's another up to the minute Corgi success. The Porsche Targa 911S, with detailed engine, and opening doors and boot. Of course, the Porsche is a natural for low friction fast running Whizzwheels. **Price 9/-.**

Add these models to your Corgi collection now!



YOUR VIEW

JOHN Alderton, TV's Bernard Hedges in the hilarious 'Please Sir!' programme, selects some letters from the LOOK-IN Postbag. The sender of each letter published receives a £1 postal order — together with a special signed photograph of John Alderton. Send your interesting letters, drawn cartoons, grouses, or anything else you want to talk about to: Your View, LOOK-IN, 247 Tottenham Court Road, London, W1P 0AU.



Pet Picture

I have two Gerbils for pets and call them Marty Feldman and Lulu. They have just had six babies, so I thought I would try to take a photograph of them.

Half an hour later, I was ready with my camera, Marty, Lulu and the babies were in position and 'click'—the picture was taken. Then I put the Gerbils back in their box. To my surprise, one of the babies was missing. I hunted for hours, but with no luck.

The next day there, on my chair, curled up and fast asleep was J.A. (John Alderton) which was the baby Gerbil's name. I was glad to get him back. The photo never came out.

*Julie Burtenshaw,
Worthing, Sussex.*

☆ *Never mind, Julie, here is a picture of another Gerbil that did come out!*



Riddle-me-ree

I have made up a kind of poem but it is in question form. I hope you like it.

My first is in locket, but not in chain,
My second is in goat, but not in kid.
My third is in pot, but not in lid,
My fourth is in key, and also in lock.
My fifth is in ship, but not in dock,
My sixth is in knot, but never in bow.
My whole is a comic, I am sure you must know!

Answer: LOOK-IN.

P.S. Please tell Tony Bastable that if he wants to know the answer to his question about the number 9 (issue 1) he should put it to the HOW! team and he might win a £1 book of his choice. Also tell him this joke:

Q: Why is a cook cruel?

A: Because he beats the eggs and whips the cream.

I don't really think it beats his, but all the same, it is *awful!*

*Kathleen White,
Plymouth, Devon.*

☆ *No comment!*

Vote for Nixon

How lovely to see how David Nixon does his tricks. I think he is great, but how can he put Anita Harris in a box, make her disappear, only to reappear again out of the box?

*Clifford Poole,
West Heath, Birmingham.*

☆ *There is an unwritten law among magicians that they never tell how their tricks are done. But in next week's LOOK-IN, there is a big colour feature on David and his Magic Box programme. Who knows, maybe we'll be able to persuade him to give some clues about his fantastic tricks!*

Low Trip

My friend's mother wanted to ring the bus station but couldn't get through. She asked the operator to get the number for her. She heard the number ringing then a voice said: "Mr. Roberts speaking".

Her mother said: "Have you any mystery trips tonight?" The voice replied: "This is the undertakers, madam!"

Result: a very embarrassed mother coming out of the telephone box.

*Cindy Prior,
Melksham, Wilts.*



A longer read

I bought LOOK-IN and I think it is great. There is, however one drawback—there is no long, written story. One of these would be very good as then the magazine would last much longer.

*Neville Howard,
Oakham, Rutland.*

☆ *I've had a word with the editor and he agrees with you, Neville. Starting soon in LOOK-IN is a fabulous story telling how four people took a narrow boat along the canals from North Wales to London. Entitled 'Flower of Gloucester', the story is based on a Granada TV programme that appeared some time ago.*



Horror Picture

I think your television programme 'Please Sir!' is fab. I can sometimes picture our teachers at my secondary school in the shoes of Fenn Street Secondary.

*Elizabeth Watson,
Huddersfield, Yorks.*

☆ *My sympathies, Elizabeth, are with your teachers.*

Owzatt!

My little brother was always asking my mum for a 'singing bat'. None of us could understand what he meant. The next Christmas morning when opening his presents, he shouted: "Oh, look—I've got a singing bat at last." Then he held up his new toy—a guitar!

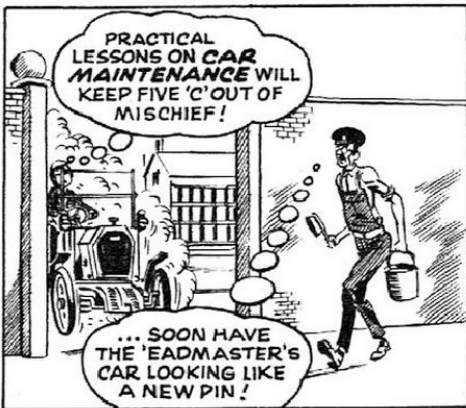
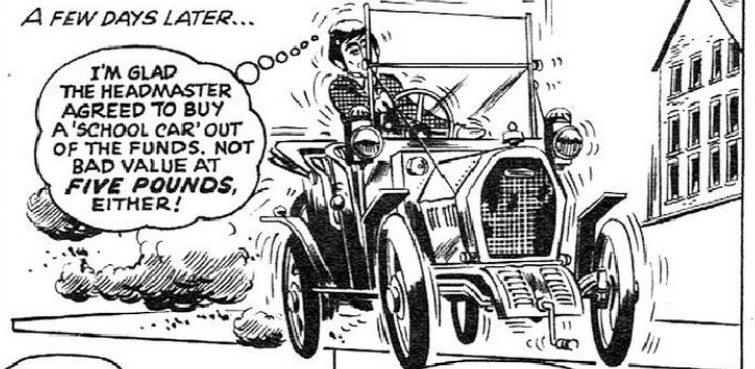
*Barbara Rowan,
Liverpool, Lancs.*



☆ *I think there are a few strings to that story, Barbara!*



PLEASE SIR!



HEDGES SOON EXPLAINS...



DON'T WORRY, SIR! I'LL SOON WIND IT UP!

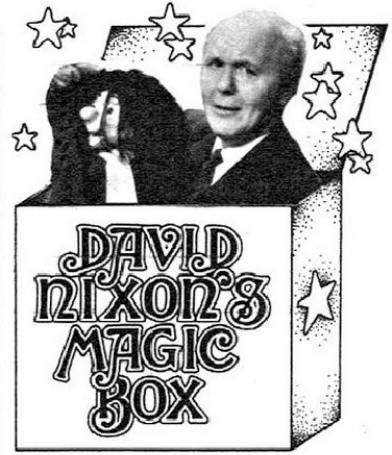
BRRRMM! JUST THE THING TO TRACK CRIMINALS IN!

MINUTES LATER...



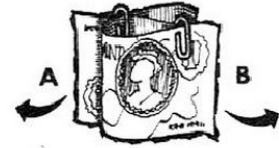
PHIEW! THE GEAR LEVER JUST WON'T BUDGE...

ALLOW ME! I'VE HANDLED A FEW TANKS IN MY TIME. IT JUST NEEDS A BIT OF FORCE... AHM...

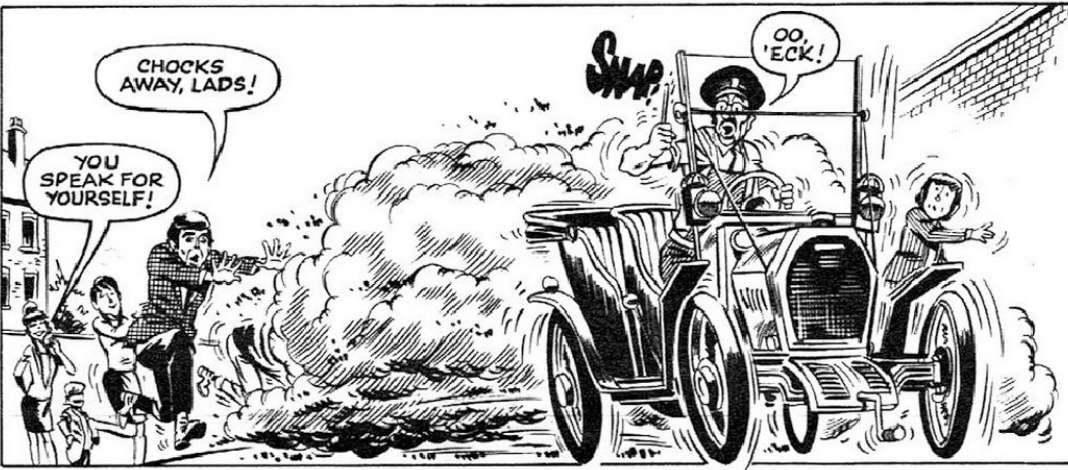


Linking the Clips

Here's a puzzling little trick for you to do. Take an ordinary pound note and two paper clips. Then fold the note into three sections and place the clips on it, as shown in the picture—each clip going over two



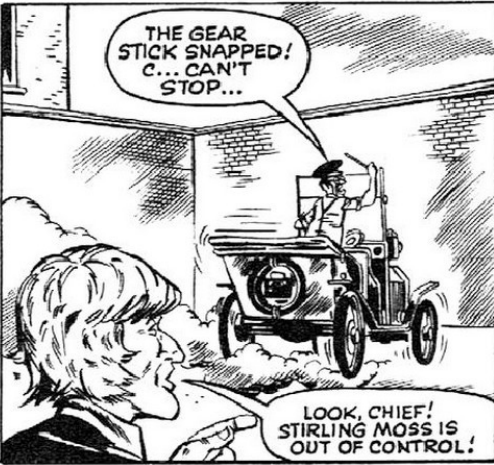
thicknesses of the note. Now hold the note at points A and B and pull firmly outwards with both hands. You will find that the clips pop off the note and become LINKED TOGETHER! Amazing, isn't it?



CHOCKS AWAY, LADS!

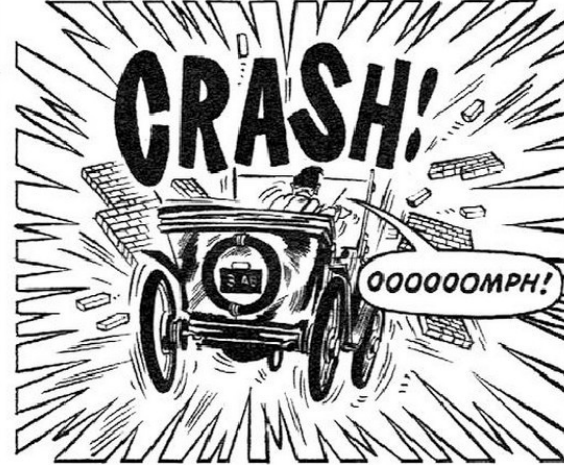
YOU SPEAK FOR YOURSELF!

OO, 'ECK!



THE GEAR STICK SNAPPED! C... CAN'T STOP...

LOOK, CHIEF! STIRLING MOSS IS OUT OF CONTROL!



NORM WAS RIGHT ABOUT DRIVING TANKS - HE MUST HAVE THOUGHT THAT WAS ONE!

WELL, THE HEADMASTER'S CAR WILL HAVE TO GO TO THE GARAGE NOW!

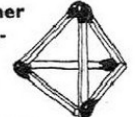
X-Ray Eyes

First you need three bottle caps and a five new penny piece. Now you ask a friend to conceal the coin under one of the caps, while you turn your back. When you turn round again you can tell them which cap the coin is under. How? Well, before you do the trick, you must glue a short piece of hair to the coin—this protrudes from under the cap and shows you where it is.



Teaser Time ★★★★★★

Here's the answer to last week's match puzzle. Glue the six matches together into a three-dimensional shape, as shown in the illustration.



For this week's teaser, you must take out the four 'fives' from a pack of playing cards. Now arrange them so that only FOUR pips are visible.

I'll give you the answer in next week's column.



By arrangement with David Nixon

A Future Champ!

Richard Davies interviews Joe Bugner

JOE BUGNER was once the all-Britain senior school-boy discus champion—but after his success in the athletic world, this talented youngster turned his attention to the more rugged sport of *boxing*.

Joe, who once lived in Hungary, explained to me recently *how* he began his short but spectacular career in the ring.

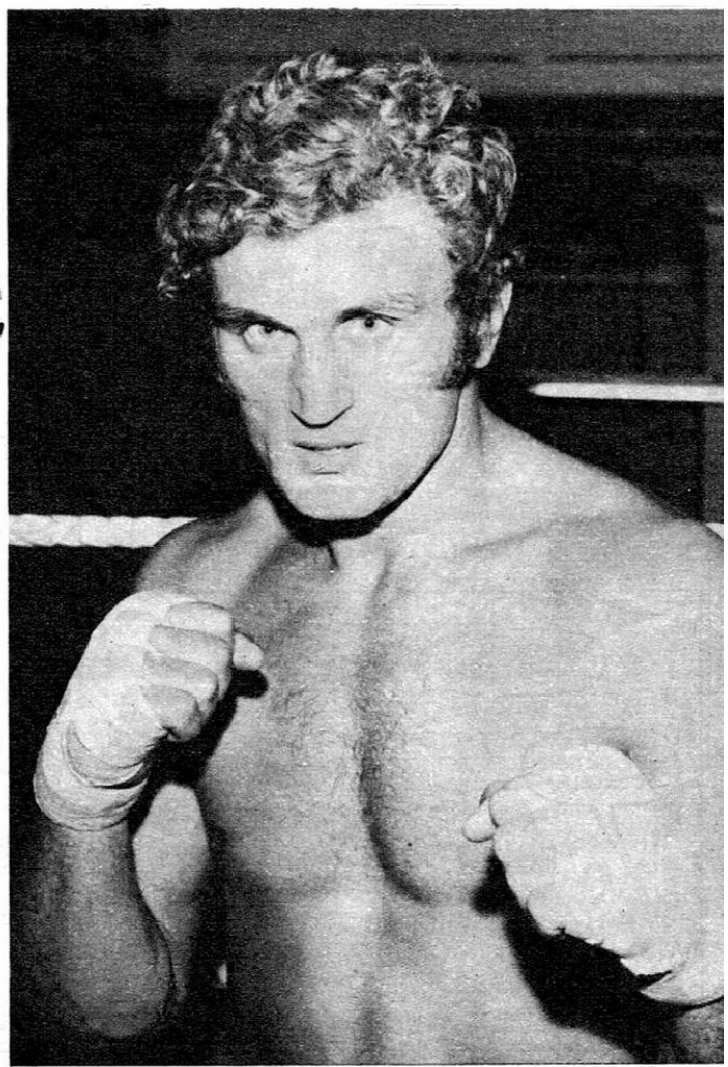
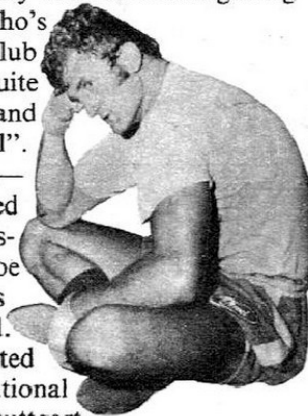
"I used to be a member of the Bedford Boys' Club—and that's where it really started. I spent hours practising with the punch bag, developing my footwork and getting fit. Then, one day, Andy Smith, who's now my manager, visited the club and saw me fight. He was quite impressed by my performance and he suggested I turn professional".

Well, Joe took Andy's advice—and he's certainly never regretted it. Andy Smith, a shrewd Scotsman, slowly but surely built Joe up into a top professional—he is now rated *ninth* in the world.

As an amateur, Joe represented England in the 1967 Youth International heavyweight tournament held at Stuttgart, in Germany. There, Joe knocked out his opponent in *one minute* of the first round.

Now, after thirty-three professional fights, Joe says himself: "I want to be Britain's World Heavyweight Champion."

And I believe that one day Joe might become just that!



A Golden Opportunity!

Joe Bugner and Andy Smith put as much *into* boxing as they take out—and that's the reason why the Joe Bugner Scholarship was inaugurated last year. This scheme, sponsored by the Ford Motor Company, sets out to help promising young boxers develop their talent. Each year, all the National Boys' Clubs Champions will be taken to a special training camp by Joe and Andy. For two weeks they will receive top class coaching with Joe himself doing some of the instructing.

"I want the scholarship to become an international award so that as many young boys as possible can benefit from it," said Joe.



SOCCER—A MAN'S GAME?

Yes, unbelievably, it's happened. Ladies' football is with us—and what's more, it's here to stay. Sue Head (centre, kneeling in the picture), Skipper of the Crystal Palace Ladies' team and daughter of Crystal Palace Manager, Bert Head, told me the girls tackle just as keenly as the men. Some of Sue's team train hard every day—and that's probably why their 'A' team are top of the Home Counties Women's League. About two-hundred-and-fifty spectators gather every Sunday to watch them—and as many as one thousand turn up for a really important League game.

In actual fact, Luton, Spurs, Charlton, Bolton, Preston and Manchester all have women's football teams, and last year eleven young ladies, representing England, played in a World Cup tournament in Italy. They reached the semi-final, too!



★ ★ STAR SPORTING DOUBLES ★ ★

THERE are several well-known sporting families, some of which I will be featuring from time to time on this page. But what better name to start off with than Charlton! Bobby and Jack Charlton were both born in Ashington, Northumberland, and each started his professional football career straight from school. Bobby joined Manchester United, while Jack signed for Leeds United. Bobby first played for England in 1958, and has earned a record one-hundred-and-six caps. Jack has played in thirty-nine internationals. They first played for England together in 1965 against Scotland, at Wembley. Jack is aged thirty-four and Bobby, thirty-one.

Another name which spells double success is that of Sherwood. Remember how Sheila won a silver medal in the long-jump during the

1968 Olympic Games in Mexico? Her husband John won a medal, too. He took the bronze for his performance in the 400 metres' hurdles event. This was the same race, in fact, which was won by David Hemery who took the gold medal. A fine result for Britain! It was during last year's Commonwealth Games that John managed to win the gold this time, for the same event.

Does your brother or sister play the same sport as yourself? If you think you are part of a sporting family, let me know. Send in a picture (not returnable) and if your story is a good one, I will include it in a future issue of Look-In.

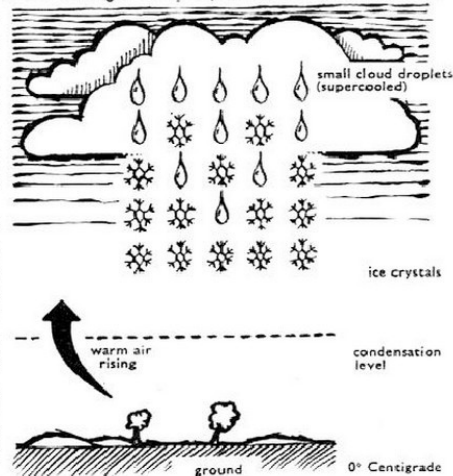
Write to: SPORTING DOUBLES, World of Sport, Look-In, The Junior TV Times, 247 Tottenham Court Road, London W1P 0AU.



The How! programme experts are here again this week to give you some more fascinating facts. The team: Bunty James, Jack Hargreaves, Jon Miller and Fred Dinenage.

HOW is snow formed? Firstly, a cloud is composed of millions of separate water droplets. When the cloud increases in depth, the top of it becomes colder and colder until it is below 0° Centigrade. Providing the temperature is low enough, the droplets then transform into 'supercooled' water droplets. Then, as they combine with each other, they gradually increase in size. This part of the process is rather like spattering raindrops on a car windscreen. The drops run down the glass in trickles and join up.

The droplets now become ice pellets and their physical weight makes them drop through the cloud. It is at this stage that snow or rain is formed. If the temperature at the base of the cloud is quite warm, the falling ice pellets will come into contact with water droplets (as the ice pellets once were themselves). If this is the case, the ice pellets will turn back to water droplets and the result will be rain. If, however, the temperature at the base of the cloud is low, the falling ice pellets will come into contact with ice crystals. Then, the result will be snow! The diagram shows you how the process works.



HOW can you write the word 'and' five consecutive times and still make sense? Well, the landlord of the 'Pig and Whistle' did not like his new sign because in the name there was too much space between Pig and and, and and and Whistle.



HOW can you have a vein in your body that isn't a vein? The answer's a jugular vein—because it's an artery, not a vein!

HOW do cats go to school? After a kitten has been born, its mother spends the next 30-40 days teaching them all the basic knowledge they will need during their lives. She teaches them how to wash, hunt and defend themselves. The mother cat will show her kittens how to catch mice by catching one herself. She will then allow the mouse to escape so she can demonstrate how to catch it again.

HOW long was the longest boxing match? This marathon contest took place in the Olympic Club of New Orleans on April 6th, 1893, between Andy Bowen and Jack Burke. It lasted for one-hundred-and-ten rounds—seven hours and nineteen minutes! The referee Jack Duffy eventually declared the fight a 'no contest'.

HOW can you sit on your seat on the stock exchange? You can't. Having a seat merely implies that you're a member.

HOW much more hot water would you get out of a 2" pipe than a 1" pipe? 4 times as much—the volume of a pipe varies as the square of the diameter.

HOW long did Charles Lindbergh take to fly the Atlantic in his aircraft the 'Spirit of St. Louis'? Thirty three hours and twenty nine and a half minutes. It was the first solo trans-Atlantic flight.

Win a book to the value of £1!

If you haven't already written in, don't forget that you can win a HAMLIN BOOK of your choice for any question which YOU have published in this column—together with the team's researched answer! So get thinking and send your entry to: LOOK-IN, The Junior TVTimes, 247 Tottenham Court Road, London W1P 0AU.

TIMESLIP

LIZ SKINNER AND SIMON RANDALL HAVE THE INCREDIBLE ABILITY TO PASS THROUGH THE INVISIBLE TIME-BARRIER, TRAVELLING FORWARDS MILLIONS OF YEARS, THEY FIND THE EARTH HAS RETURNED TO A PRIMITIVE STATE, WHERE CAVE-DWELLERS SEEM TO REGARD THEM AS GODS! ON A LONELY PART OF THE SHORE THAT WAS ONCE CORNWALL, LIZ AND SIMON ARE LED OUT AND LEFT BY THE CAVEMEN, THEN...

SIMON! WHAT ARE THEY? IT'S UNBELIEVABLE!

GOSH! THE CAVEMEN MUST THINK WE'RE POWERFUL ENOUGH TO FIGHT THEM OFF! THAT'S WHY THEY'VE LEFT US HERE!

THE CREATURES THOSE CAVEMEN DREW FOR US, LIZ! THEIR ENEMIES, FOR SURE!

THE STRANGE CREATURES IGNORE LIZ AND SIMON, AND STRIDE TOWARDS THE CAVES...

LIZ PROVES ABSOLUTELY RIGHT!



BACK, LIZ! THEY'VE GOT GUNS OF SOME KIND!



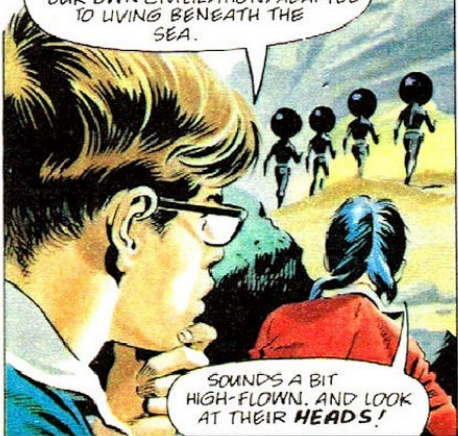
UUGH!

BANG GOES OUR REPUTATION AS GODS! WE COULDN'T DO A THING TO STOP THEM!

THE CAVEMEN ARE TERRIFIED OF THEM, SIMON! BUT WHAT SORT OF CREATURES ARE THEY?

...INTELLIGENT, FOR SURE. PERHAPS A DEVELOPMENT OF OUR OWN CIVILIZATION, ADAPTED TO LIVING BENEATH THE SEA.

BEFORE LIZ CAN EXPLAIN, THE CREATURES RETURN TO VIEW...



SOUNDS A BIT HIGH-FLOWN, AND LOOK AT THEIR HEADS!



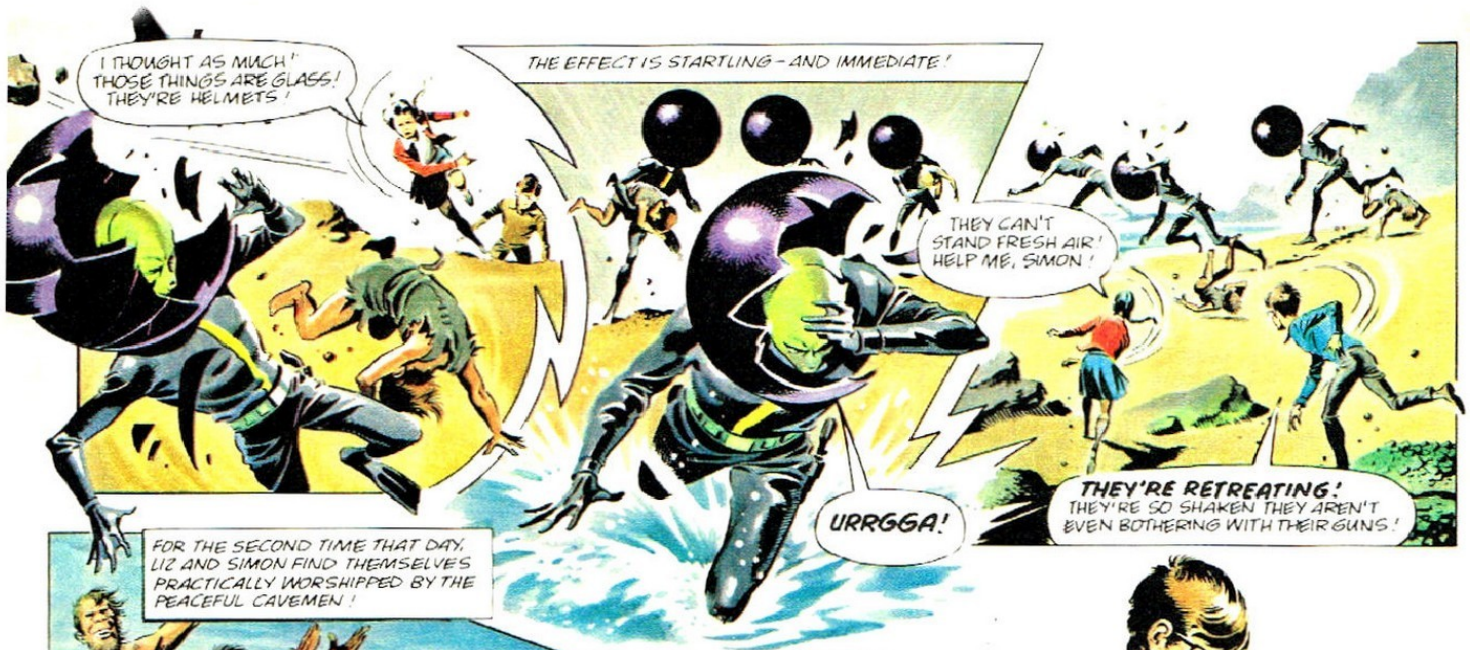
THEY'VE CAPTURED SOME CAVE CHILDREN! I'LL BET THEY USE THEM AS SLAVES OR SOMETHING!

BUT THEY CAN'T CARRY THEM INTO THE WATER! THEY'LL DROWN!



I'M NOT WAITING TO SEE!

LIZ! FOR GOODNESS SAKE! STOP!



I THOUGHT AS MUCH!
THOSE THINGS ARE GLASS!
THEY'RE HELMETS!

THE EFFECT IS STARTLING - AND IMMEDIATE!

THEY CAN'T
STAND FRESH AIR!
HELP ME, SIMON!

THEY'RE RETREATING!
THEY'RE SO SHAKEN THEY AREN'T
EVEN BOTHERING WITH THEIR GUNS!

URRGGGA!

FOR THE SECOND TIME THAT DAY,
LIZ AND SIMON FIND THEMSELVES
PRACTICALLY WORSHIPPED BY THE
PEACEFUL CAVEMEN!



DON'T BE TOO
SURE! WE MAY HAVE
SHOWN THESE PEOPLE
HOW TO BEAT THEM
BUT, REMEMBER,
THEY'RE NOTHING LIKE
AS STRONG AS US...

WHEW! YOU DID IT, LIZ!
WHATEVER HARM THOSE
SEA-CREATURES HAVE
BEEN DOING HERE, I'LL
BET THEY'LL THINK TWICE
BEFORE THEY TRY
AGAIN!



DON'T YOU BELIEVE IT!
HERE'S WHERE SOME SIMON-
TYPE SCIENCE IMPROVES
ON A LIZ-TYPE IDEA!



IT TAKES SIMON A FEW MINUTES
ONLY TO SHOW THE CAVEMEN THE
PRINCIPLE OF THE SLINGSHOT...

A BIT WILD -
BUT THEY'LL GET
THE HANG OF IT!

DAVID AND GOLIATH
ALL OVER AGAIN! DON'T
YOU THINK WE OUGHT TO
FADE AWAY, WHILE
THEY'RE BUSY...?



CAUTIOUSLY, THEY SLIP BACK INTO
THE COASTAL SWAMPLAND...

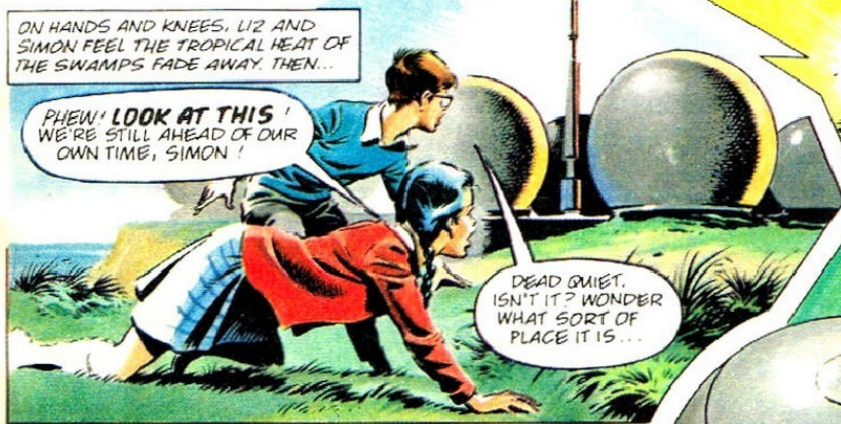
WE'RE IN LUCK!
THERE'S THE
TIME-BARRIER
I MARKED!

WHO'S GOING TO
BELIEVE ANY OF
THIS WHEN WE
TELL THEM?



MAYBE WE WON'T
GET A CHANCE TO
TELL - WE CAN'T
CONTROL THE
TIME-BARRIER...

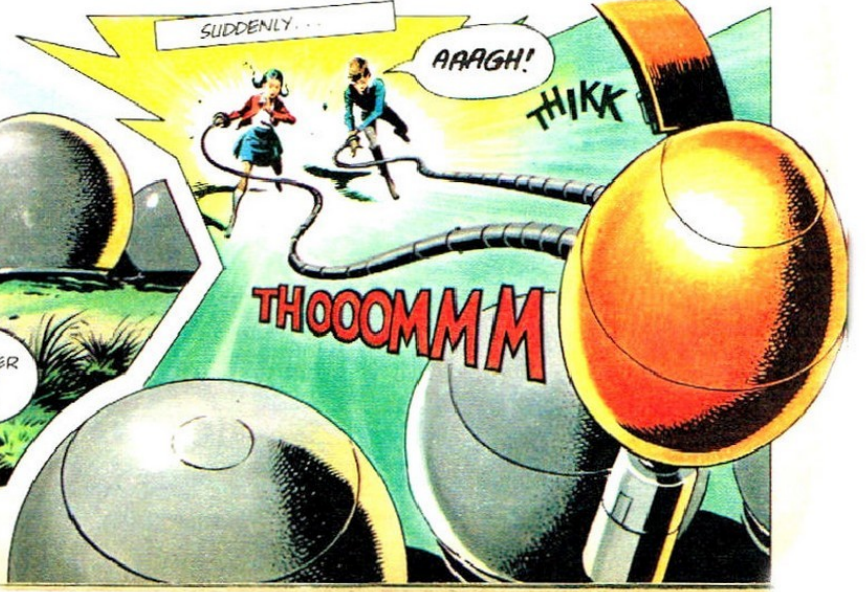
...SO WE DON'T
KNOW WHERE WE'LL
END UP!



ON HANDS AND KNEES, LIZ AND
SIMON FEEL THE TROPICAL HEAT OF
THE SWAMPS FADE AWAY. THEN...

PHEW! LOOK AT THIS!
WE'RE STILL AHEAD OF OUR
OWN TIME, SIMON!

DEAD QUIET,
ISN'T IT? WONDER
WHAT SORT OF
PLACE IT IS...



SUDDENLY...

AAAGH!

THIKK

THOOOMMM

Next Week: The Robot World







Lookin' on your ITV programmes this week: Feb 6-12

CATWEAZLE (that's Geoffrey Bayldon in disguise), will be back on your screens again on Sunday afternoon. That'll be the fifth episode in this great new series. This week, Groome, Lord and Lady Collingford's gardener, loses his voice and Catweazle's magical attempts to find it

again, reduce the residents of 'King's Farthing' to a state of near hysteria.

For those of you who live in the Midlands, don't be too disappointed—you're only missing Catweazle for a while —ATV will be bringing him to your region soon!



	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
ANGLIA 	12.50 World of Sport 5.10 Stewpot 5.50 The More We Are Together 6.20 The Sky's The Limit 6.45 Crowther	1.00 Play Better Tennis 3.00 Barefoot in the Park 3.25 Match of the Week 4.40 The Golden Shot 5.35 Catweazle	4.30 The Romper Room 4.50 Felix the Cat 5.10 Timeslip 6.40 David Nixon's Magic Box	4.35 The Enchanted House 4.50 Junior Showtime 5.10 Magpie 7.00 The Tuesday Comedy	4.30 Rupert Bear 4.45 Joe 90 5.10 Magpie 7.00 The Thursday Film	4.35 The Romper Room 4.50 Lost in Space 7.00 Branded 7.30 The Mod Squad 8.25 Six Dates With Barker	
MIDLANDS 	11.00 Apollo XIV 12.50 World of Sport 5.10 The More We Are Together 5.50 What Are You Doing After The Show?	1.00 Play Better Tennis 1.30 Mr. Piper 2.15 Star Soccer 4.40 The Golden Shot 5.35 The Forest Rangers	4.30 Cartoon 4.35 Once Upon A Time 4.50 Junior Showtime 5.10 Timeslip 6.40 David Nixon's Magic Box	4.30 Popeye 4.35 Origami 4.45 The Flaxton Boys 5.10 Magpie 7.00 Star Movie	4.30 Cartoon 4.35 Wind in The Willows 4.50 The Sooty Show 5.10 Magpie 7.00 Thursday Movie	4.30 Cartoon 4.35 Zingalong 4.50 Thunderbirds 7.00 Branded 7.30 Department S 8.25 Six Dates With Barker	
BORDER 	11.00 Apollo XIV 12.50 World of Sport 5.10 The More We Are Together 5.50 What Are You Doing After The Show?	1.00 Play Better Tennis 2.20 Football 3.20 The Saint 4.15 Jungle Boy 4.45 The Golden Shot 5.35 Catweazle	4.35 Once Upon A Time 4.50 Joe 90 5.10 Timeslip 6.40 David Nixon's Magic Box	4.05 Survival 4.35 Origami 4.50 Junior Showtime 5.10 Magpie 7.30 Feature Film	4.05 Nanny and the Professor 4.35 Paulus 4.45 Stewpot 5.10 Magpie 7.45 Feature Film	4.07 Junkin 4.35 Zingalong 4.50 Land of the Giants 7.00 The Sky's the Limit 7.30 Six Dates With Barker	
CHANNEL 	11.00 Apollo XIV 12.50 World of Sport 5.45 Voyage To The Bottom Of The Sea 6.40 Leslie Crowther Show	2.15 The Man from U.N.C.L.E. 3.10 The Big Match 4.05 Shari's Show 4.45 The Golden Shot 5.35 Catweazle	3.55 Once Upon a Time 4.05 Puffin 4.45 The Forest Rangers 5.10 Timeslip 6.45 Magic Box	3.55 The Enchanted House 4.05 Puffin 4.50 Junior Showtime 5.10 Magpie 7.00 Star Movie	3.55 Rupert Bear 4.05 Puffin 4.50 The Sooty Show 5.10 The Freewheelers 6.10 African Parrot 7.00 Treasure Hunt	3.55 Zingalong 4.05 Puffin 4.15 The Ghost and Mrs. Muir 4.50 Lost in Space 7.30 Feature Film	
GRAMPIAN 	11.00 Apollo XIV 12.50 World of Sport 5.10 Stewpot 5.50 The More We Are Together 6.20 Nanny and the Professor	1.00 Play Better Tennis 4.40 The Golden Shot 5.35 Catweazle	4.10 Once Upon A Time 4.55 Rumble Jumble 5.15 Timeslip 6.05 Cartoon 6.40 David Nixon's Magic Box	4.10 The Magic Ball 4.50 Junior Showtime 5.15 Magpie 7.00 The Tuesday Film	4.10 Rupert Bear 4.50 The Sooty Show 5.15 The Freewheelers 7.00 This Is Your Life	4.10 Zingalong 4.50 Adventures in Rainbow Country 5.15 Arthur! 7.00 The Sky's the Limit	
GRANADA 	11.00 Apollo XIV 12.50 World of Sport 5.15 Bonanza 6.45 Saturday Film 8.05 Leslie Crowther Show	1.00 Play Better Tennis 2.20 Cartoon Time 2.30 Football 3.25 Randall and Hopkirk 4.40 Golden Shot 5.35 Catweazle	4.35 Once Upon a Time 4.50 Skippy 5.10 Timeslip 6.20 The Beverly Hillbillies 6.40 Magic Box	4.35 The Enchanted House 4.50 The Sooty Show 5.10 The Freewheelers 6.20 The Beverly Hillbillies 7.00 This Is Your Life	4.35 Origami 4.50 Woobinda 5.10 Magpie 6.20 The Beverly Hillbillies 6.50 The Saint	4.35 Zingalong 4.50 Spiderman 5.10 Joe 90 6.20 The Beverly Hillbillies 6.50 When the West Was Wild	



11.00 Apollo XIV
12.50 World of Sport
5.10 The More We Are Together
5.50 The Sky's The Limit

1.00 Play Better Tennis
2.15 Big Match
4.45 The Golden Shot
5.35 Catweazle

4.50 Magic Boomerang
5.14 Timeslip
6.45 David Nixon's Magic Box

4.35 Rupert Bear
4.50 The Sooty Show
5.14 The Freewheelers
7.00 This Is Your Life
7.00 Mid Week Movie
5.14 Magpie



11.00 Apollo XIV
12.50 World of Sport
5.10 Stewpot
5.50 The More We Are Together
6.20 Gunsmoke
7.15 Crowther

1.00 Play Better Tennis
1.30 Wind In The Willows
2.25 The Big Match
3.45 Bonanza
4.45 The Golden Shot
5.35 Catweazle

4.10 Rupert Bear
4.50 The Sooty Show
5.15 The Freewheelers
6.30 Nanny and the Professor
7.00 This Is Your Life

4.10 Origami
4.50 Gulliver
5.15 Magpie
7.40 The Thursday Film
7.00 The Sky's The Limit



11.00 Apollo XIV
12.50 World of Sport
5.10 The Sky's The Limit

1.00 Play Better Tennis
4.40 The Golden Shot
5.35 Catweazle

4.10 Rupert Bear
4.50 The Sooty Show
5.10 The Freewheelers
7.00 This Is Your Life

4.10 Zingalong
4.50 Joe 90
5.15 Cartoon Cavalcade
6.35 Bonanza
7.35 Department S



11.00 Apollo XIV
12.50 World of Sport
5.15 Voyage To The Bottom Of The Sea
6.15 The Golden Shot
7.05 The Saturday Film

1.00 Play Better Tennis
2.00 Sara and Hoppity
2.15 The Big Match
3.15 Mad Movies
5.35 Catweazle

4.12 Sean the Leprechaun
4.50 The Sooty Show
5.15 The Freewheelers
6.30 From a Bird's Eye View
7.00 This Is Your Life

4.12 Zingalong
4.50 Bush Boy
5.15 Timeslip
6.35 Out Of Town
7.00 The Sky's The Limit
7.35 Department S



11.00 Apollo XIV
12.50 World of Sport
5.10 The More We Are Together
5.45 The Sky's the Limit
6.15 Bonanza

1.00 Play Better Tennis
2.20 Shoot
3.15 Cowboy in Africa
4.40 The Golden Shot
5.35 Catweazle

4.35 Rupert Bear
4.50 The Sooty Show
5.15 The Freewheelers
7.00 This Is Your Life

4.35 Zingalong
4.50 Huck Finn
5.15 The Rovers
6.30 Voyage To The Bottom of the Sea
7.30 Six Dates With Barker



11.00 Apollo XIV
12.50 World of Sport
6.15 The More We Are Together
6.45 What Are You Doing After the Show?

1.00 Play Better Tennis
2.45 The Big Match
3.25 The Sunday Film
4.45 The Golden Shot
5.35 Catweazle

4.25 Romper Room
4.50 The Sooty Show
5.15 The Freewheelers
7.00 This Is Your Life

4.10 The Enchanted House
4.25 Romper Room
4.50 Thunderbirds
7.00 The Sky's The Limit
7.30 Gunsmoke



11.00 Apollo XIV
12.50 World of Sport
5.45 Voyage To The Bottom Of The Sea
6.40 Leslie Crowther Show

1.00 Play Better Tennis
2.15 U.N.C.L.E.
3.10 The Big Match
4.05 Sharl's Show
4.45 The Golden Shot
5.35 Catweazle

3.55 Rupert Bear
4.05 The Gus Honeybun Show
4.50 The Sooty Show
5.10 The Freewheelers
7.00 Treasure Hunt

3.55 Zingalong
4.05 Gus Honeybun
4.15 The Ghost and Mrs. Muir
4.50 Lost in Space
7.00 The Sky's The Limit



11.00 Apollo XIV
12.50 World of Sport
5.10 The More We Are Together
5.45 Gunsmoke
6.45 Leslie Crowther Show

1.00 Play Better Tennis
2.20 Soccer
4.45 The Golden Shot
5.35 Catweazle

4.10 Rupert Bear
4.50 Sooty Show
5.15 The Freewheelers
6.30 Hogan's Heroes
7.00 This Is Your Life

4.10 Zingalong
4.50 Lost in Space
6.30 Come a Runnin'
7.00 The Sky's The Limit
7.30 Six Dates With Barker

FOR COMPLETE DETAILS OF ALL ITV PROGRAMMES SEE TVTIMES

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

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