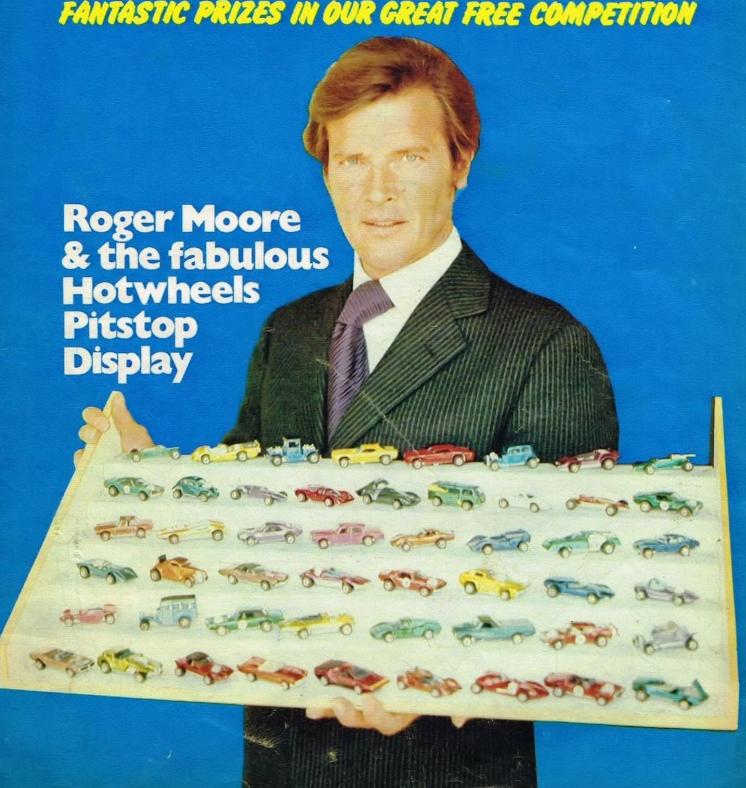


FANTASTIC PRIZES IN OUR GREAT FREE COMPETITION







THE PRODUCER TOLD
ME TO TAKE A DAY OFF
TO THINK ABOUT A CAMPING
SKETCH I HAVE TO DO
TOMORROW. I KNOW UUST
THE PLACE TO GET
IDEAS...



NOT THIS TIME!
I NEED TO BE ALONE
TO GET THE RIGHT
'ATMOSPHERE', IT'S
TO DO WITH WORK...





















TOO . . .

LOOK-IN reporter Vicky Shaw takes a look at the big screen version of ...

# ON THE BUSES



Left to right: Arthur (Michael Robbins), Olive (Anna Karen), Stan (Reg Varney), Mum (Doris Hare), Jack (Bob Grant), Inspector (Stephen Lewis).

"Many of us don't like them, madam, but aren't you exaggerating?" A calmer voice interrupted before continuing: "Remember, you are responsible for the safety of our passengers. And we can't have people like you screeching in and out of the corporation depot as soon as they see a spider. After all, the cabs are large enough for both driver and stowaway insects!"



But madam—one of several newly-appointed women bus-drivers—doesn't appreciate the corporation's thoughtfulness. She little thinks that the spider is part of a plot to discredit her and her fellow female drivers.

The plot, though, was no doubt devised by the same master-minds who sabotaged the route of the Number 13 bus by erecting artificial signposts—plus countless other fiendish tricks.

Who are these devilish plotters who will stop at nothing to eject these lady drivers from behind the bus wheels? Perhaps it comes as no surprise to you that these mischievous mishaps are the work of two of the greatest tricksters of all time, Stan Butler (Reg Varney) and his conductor co-partner in crime, Jack (Bob Grant).

If you've been following their antics in the TV series 'On The Buses' or the strip story in LOOK-IN each week, you'd expect their amusing antics. But in the new film of the same name, you'll also meet the slightly meaner side to their

natures, when their jobs are threatened!

Once it was decided that a film of the television series should be made, Elstree Film Studios underwent a dramatic change. Nestling in the quiet Hertfordshire countryside, it transformed itself into a busy bus depot with huge eight-



Stan looks out of a non-see-through window!

wheeled monsters revving and reversing in the quiet country lanes.

In the film, Reg Varney—who has played Stan since the series began—gets the chance to do just about everything except his favourite pastime—playing the piano.

Ever since he could remember, he wanted to play the piano. But being the

youngest of six children, he missed out on having the lessons he yearned for.

After a serious illness when he was a small boy, Reg was sent to a special nursing home to convalesce.

"There was a piano in the corner, and I itched to get my hands on it!"

Soon, he'd picked out all the tunes he'd heard his father play. By the time he returned home he could play just like his dad. Reg was five years old at the time!

That early keyboard skill was useful to Reg. When he was thirteen years old, he had a little act worked out and would travel the summer and Christmas seaside shows. If the audience clapped for more, he'd receive an extra 2/6d ( $12\frac{1}{2}p$ ) on top of his wage—7/6d ( $37\frac{1}{2}p$ ) a night! After years of struggling, he was given his chance to appear on television.

'The Rag Trade' comedy series turned up and, suddenly, Reg's cheerful face became known to millions of viewers. Now he's playing in the 'Buses' TV series, and has made several films. 'On The Buses' film is on general release now.





Above: Inspector Blake is just not the domestic type. Below: Arthur, Olive and Stan (left to right) run into a bit of trouble with their motor cycle.





















VERHEAD, the merciless heat of the sun poured down from the molten sky and then rose up from the baked ground below. Even the grass cracked like popcorn in the massive oven that the Australian cowboys or — 'jackaroos' — call home.

The herd moved slowly, hindered by the heat. The cowhands sat fused to their saddles, lulled by the rhythm of the horses' hooves. Suddenly, there was a cry and, in the distance, the silhouette of a horse reared above the plodding heads of the cattle. Clawing and snorting, the horse threw its rider heavily to the ground.

In a split-second, helping hands reached the injured cowboy. His horse had been frightened by a snake, but otherwise was unharmed. Its rider, however, was not so lucky. He would need help—and fast!

Soon the S.O.S. came crackling over the receiver at the Flying Doctor Headquarters in Alice Springs. "Multiple injuries. Requires immediate attention—and hospitalisation."

The call for help was pinpointed on the map and necessary medical supplies quickly selected. A final reassurance was made to the anxious voice on the other end of the 'line' and the Flying Doctor was on his way.

The small Piper Cherokee aircraft left the landing strip, and was shortly touching down over three-hundred miles up territory. Another dramatic incident, another life saved—and another day in the service of the Royal Flying Doctor Service.

It was the inspiration of one man, John Flynn—an Australian missionary—and the genius of engineering assistant Alfred Traeger that made the R.F.D.S. more than just a dream.

From 1912 onwards, Flynn travelled across Australia, leaving a trail of missions and

hospitals to serve the needs of the settlers. But even that wasn't enough. Many days journeying often lost that vital time required to save the patient.

There were two main problems. How to transport the injured person, and how to make emergency contact. Recent developments in aviation spurred Flynn's idea of using aircraft. They were fast and could land where no ordinary transport could get through. The solution to the other problem came in the form of a small machine designed by Traeger. It was a pedaloperated transceiver which was easy to use and repair, simple to install, and-most importantmade its own power. Every outback home could have one.

Taking a small chartered plane from Concurry to Mount Isa, Queensland, Flynn's friend, Dr. George Simpson, made the first-ever Flying Doctor flight in 1927. He saved the life of a miner. One year later, a base was set up, the first of its kind with a full-time doctor and pilot, a radio receiver and a tiny De Havilland DH 50 aircraft.

Today, the R.F.D.S. has many bases connected by two-way radio to thousands of these transceivers, and each year many thousands of radiograms asking for help are received—not only in Australia but in many places throughout the world where settlers are still far from civilisation as we know it.

#### WORLD-WIDE SERVICE

Some of the Flying Doctors' most valuable work is done in Africa, for example, and many Magpie viewers will remember Pete Brady going in a helicopter with a Flying Doctor when he was in Hong Kong, last year.

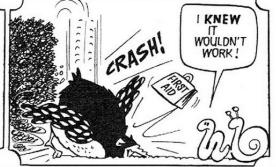
At one of their several calls, in a remote schoolhouse, Pete encouraged reluctant children to have their innoculations. At another stop he met people who had walked as far as five miles to find medical attention.

Seeing the doctor at work, it was easy to realise how the R.F.D.S. has helped lift anxiety about disease and disaster from the minds of all settlers in remote places.

Murgafroyd







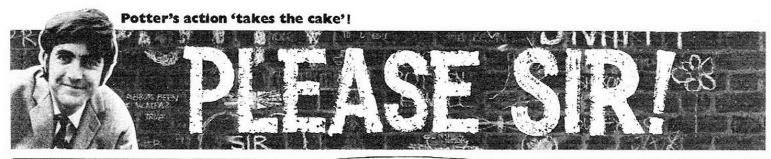
# MISSIONS







OMMBROY





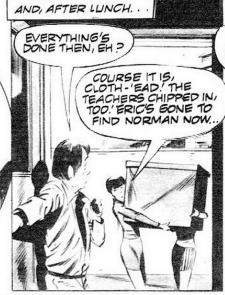




















I have had a large number of enquiries about Marvin, Welch and Farrar, who appeared weekly with Cliff Richard on his recent television series. As you know, the 'Shadows' were Cliff's backing group for many years. Then they went on to be tremendously successful as solo artists.

At this time Hank Marvin—the face and the guitar behind the Shadows—and Bruce Welch, remembered John Farrar, a young musician they had first met during a tour of Australia in 1968. They decided to form a new vocal group with him. They were immediately popular and scored a big hit on Cliff's TV series and have already released an L.P.



Farrar (stdg), Welch, Marvin (rgt)

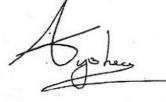
called 'Marvin Welch and Farrar' which is on the Regal Zonophone Label. Looking at Hank it is hard to realise that his first million-seller Shadows' record was back in 1960 and called 'Apache' and that for two years beforehand, he had worked with Cliff as a member of Cliff Richard and the Drifters.

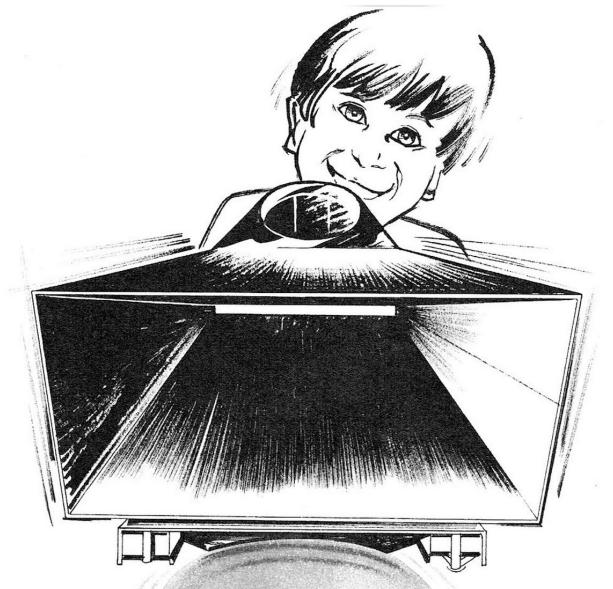
It also says a lot for the relationship and personalities of them all that Hank, Bruce and Cliff are still working happily together after so many successful years.

Should you want more information on the boys write to:

The Press Officer,

19 Saville Road, London, W.1.





# We're looking for the Zzzoom-It kids...

one of them could be you!

Are you a Zzzoom-It kid? Well then, hurry along to a toyshop which displays the special Zzzoom-It announcement and find out. There are 5,000 fantastic prizes to be won. Make sure you get yours.

All you have to do is launch a Zzzoom-It disc into a target. You get three tries. If you're successful you win a certificate on which you write why

Zzzoom-It is so much fun to play with. Simple isn't it!

So go to your toyshop now!
Remember the competition runs only
during July and August.

And don't forget, if you buy a Zzzoom-It at the store where you enter the competition, you get a pack of 6 discs. FREE!

You could become a Zzzoom-It kid!

5, A

5,000 fantastic Mini Wiz-z-zers to be won! Another new way to play from Mattel.





# YOUR VIEW

REG VARNEY—star of London Weekend Television's comedy series 'On The Buses' selects this week's entries from the LOOK-IN Postbag—together with the special £2 Star Letter.

### STAR LETTER

If you're bored on one of these hot days we've been having recently, why not try using an ice-cube as a ball? This is great fun as the ice gets smaller and smaller as the game goes on. It also cools down your hands.

Maureen Wright, Stretford, Lancs.

★£2 goes to Maureen for her tip. I'll pass the suggestion on to old Blakey—he's always getting hot and bothered!

#### PLANT PROBLEM I.

My friend and I were walking through a wood, and we had been stung by stinging nettles. We came to a clearing and saw some dock leaves and were very relieved.

We picked some and started walking away when we noticed a man leaning on his spade staring at us. He stared until we were out of view, and it was quite a while later that we realised we had picked his rhubarb!

Jackie Luther, Wantage, Berks.

#### PLANT PROBLEM 2.

One day, my Father told me to transplant some small carrot seeds into a bigger plot of land.

When my Father had come to look at them he said. "Well done, Steve", and gave me twenty-five pence.

Later on in the week I found that my pocket money was short. It was short because instead of planting carrot seeds, I had planted some weeds that looked just like carrots.

#### Stephen Faragher, Sorthdene, Lancs.

★Jackie and Stephen win themselves a £1 each for their amusing letters. Perhaps they should both spend the money on buying a book on the recognition of plants!



"Be a sport, Granny — let's have a go?"

Derek Field,

#### JAMIE FAN

I am writing to ask how I could get in touch with Garry Miller who plays 'Jamie' in the television series.

Elaine Davidson, Balgay, Scotland.

London, N.W.7.

\*Garry doesn't have a fan club, Elaine, but you can address any letters to him, c/o London Weekend Television, Station House, Wembley, Middlesex.





"I seem to bring out the worst in people."

Pauline Anderson, London, E.17.

#### CATWEAZLE UNMASKED

Could you please print a picture of Geoffrey Bayldon (Catweazle) in person as most of my school friends and I have no idea what he looks like in real life?

> Joanne Watt, Tibshelf, Derbys.

★ Here you are, Joanne. Geoffrey has appeared as himself in a number of television roles and is an accomplished Shakespearean actor.



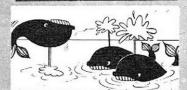
#### SURVIVAL MAN

Please could you print a picture of Colin Willock? I read his 'Survival' feature every week in LOOK-IN! Could you also tell me when 'Survival' will appear again on ATV?

Ronald Morritt, Coventry, Warks.



★ Colin is head of Anglia Television's Natural 'History Unit and writes the 'Survival' programmes for television. No firm information is to hand concerning 'Survival's' next appearance on Midland TV screens, Ronald, so keep a look out for details in TVTimes.



"It's some nutty idea he got from a hovercraft."

Paul Liddle, Scotland.

Win £2 for the Star Letter, plus £1 for any other letter or joke! A special signed photograph of the Your View star will also be sent to every reader with an item published on this page.

Write now to Your View, LOOK-IN, 247 Tottenham Court Road,

London WIP OAU, and remember to enclose a list of your four favourite features, plus the feature you don't like, if you have one.



# FOLLYFOOT Full size strip at end of file

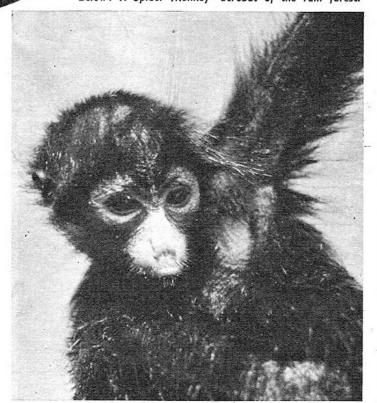


# Strange secrets of South America

In a new series, Colin Willock talks about the weird inhabitants of this colourful continent.

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Above: A Black Piranha—a shoal of these could eat a horse to the bone in minutes. Below: A Spider Monkey—acrobat of the rain forest.



WHERE WOULD YOU FIND the biggest snake in the world or a guinea pig four feet long and weighing 160 pounds? What about an animal whose only defence against its enemies is extreme slowness—or an otter seven feet in length? Then there are little fish which can be meat-eaters.

Where do fourteen species of pouched animals—marsupials—live, alongside some very strange 'placental' mammals, those that carry their young normally in the womb before birth?

I haven't nearly finished yet. Where do most of the monkeys have prehensile tails so that they have a fifth 'hand' with which to grip and move about in the tree-tops?

In what river system would you ever imagine finding not only freshwater dolphins but skates and rays—creatures that are usually only found in the sea?

Then there are camels, or at least their very close relations. The place I'm talking about has those as well—only they live high up in the mountains and not in the sandy desert.

If I gave the names of some of the weird and wonderful creatures I've been hinting at, would you know for sure where they all lived? Well, here are some to try your wildlife knowledge: capybara, agouti, margay, paca, tapir, pacarana, jaguarundi.

The answer is that these strange animals inhabit South America, the continent I shall be writing about during the next few weeks. In my view, South America is an

even more exciting wildlife country than, say, Africa or Australia. Over eighty per cent of all its birds are what is known as 'endemic'—that is to say they are special to the land they live in and don't occur anywhere else on earth. Naturally there's a good reason for this. As in the case of Australia, South America became isolated when the land bridge to the north subsided into the sea around seventy million years ago.

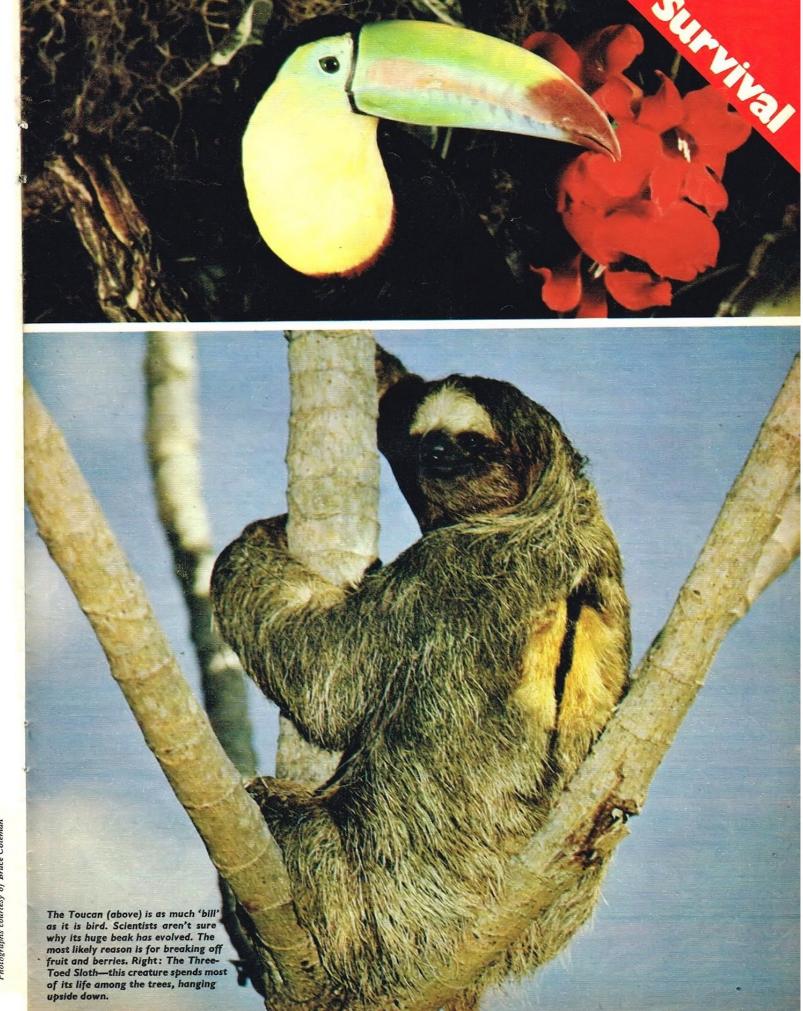
From an evolutionary point of view, it was a good time for South America to be launched on its own as a gigantic Noah's Ark. It was the moment when the mammals were just beginning to get a start in life. In the sixty



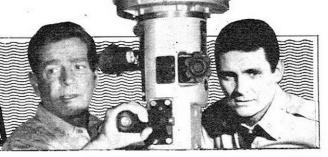
Above: A Capybara—the world's largest guinea pig.

million years that South America was cut off, before the land bridge of Central America emerged from the sea again, some very strange life forms evolved there.

Next week, I'll start to write about some of these animals in detail. By the way, do you's know why most South American monkeys need prehensile tails? Because they live largely in the Amazon basin which is subject to vast flooding. They have to be able to cling on in the treetops for long periods and a fifth hand comes in—well—handy.



## VOYAGETOTHE BOTTOMOFTHESEA

























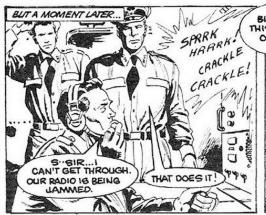














### Challenge the তিতাইনি secret agent and you could win £1

All around Britain's coastal holiday resorts, LOOK-IN Secret Agents will be appearing Monday to Friday during the next two weeks. The first reader to recognise the Secret Agent and challenge her with the correct statement will be given a crisp new £1 note.

#### How to make the challenge

First you must have a copy of Look-IN which is currently on sale the week the challenge is made. When you recognise the Secret Agent you must show her your copy of Look-in and say, "LOOK OUT FOR LOOK-IN. YOU'RE THE SECRET AGENT!" The first LOOK-IN reader to make a successful challenge will be given the prize of £1.

#### How to recognise the Secret Agent

The LOOK-IN Secret Agent will wear a small badge, like the one shown enlarged in last week's issue of LOOK-IN. Once a successful challenge has been made, the badge will be removed.

#### Where the Secret Agents will appear

The LOOK-IN Secret Agents will appear at the resorts listed right on the days indicated. A.M. timing is between 11 a.m. to 12 noon. P.M. timing is between 3 p.m. and 4 p.m.

Kent/Sussex

MARGATE BRIGHTON FOLKESTONE HASTINGS BOGNOR REGIS Mon. a.m. Tues a.m. Wed a.m. Thurs a.m. Tues p.m. Mon p.m. Thurs p.m. Wed p.m. Fri a.m.

Promenade, near Lido top entrance. Between West and Palace Piers. Eastcliffe Sands. Seafront, Near Fishmarket. Central Prom., between Rex and

Pier.
East Foreshore Bathing Station.
Promenade Near Bandstand.

RAMSGATE EASTBOURNE Dorset/Devon

LYME REGIS PAIGNTON

EXMOUTH WEYMOUTH

Mon a.m. Fri a.m. Tues a.m. Mon p.m. Fri p.m. Thurs a.m. Tues p.m.

Wed p.m. Thurs p.m. Wed a.m. Seafront Near Pier. In vicinity of Cobb.
In vicinity of Festival Hall.

Prom., between Clock and statue.

#### North Devon/Somerset/South Wales

ILFRACOMBE PENARTH WESTON-S-MARE BARRY MINEHEAD

Mon a.m. Tues a.m. Wed a.m. Tues p.m. Mon p.m. Wed p.m. Thurs p.m. Fri p.m. Thurs a.m. Fri a.m.

Seafront, Wildesmouth Beach, Promenade Near Pier, Marine Lake. Main Promenade. Seafront, near the Avenue.

Lancashire

LYTHAM SOUTHPORT MORECAMBE Mon a.m. Thurs a.m. Tues a.m. Wed a.m. Mon p.m.

Tues p.m. Fri p.m. Wed p.m. Thurs p.m. Fri a.m.

Prom., Between Central and North Piers.
Promenade Near Pier.
Promenade Near Pier.
Promenade Near Pier.
Central Promenade.

Yorkshire

SCARBOROUGH BRIDLINGTON FILEY WHITBY

Mon a.m. Tues a.m. Wed a.m. Tues p.m. Mon p.m.

Fri p.m. Wed p.m. Thurs p.m. Thurs a.m. Fri a.m.

Prom. Between Beach Centre and Northstead Manor Gdns. North Foreshore. Central Foreshore Near Gardens and Boating Lake.

East Anglia GREAT YARMOUTH CLACTON SOUTHEND

WALTON ON NAZE LOWESTOFT

Mon a.m. Tues a.m. Tues p.m. Thurs p.m. Thurs a.m. Mon p.m.

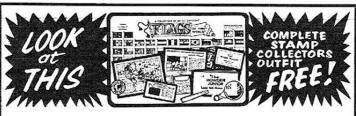
Fri p.m. Wed p.n Wed p.m. Wed a.m. Between Marina and Wellington Pier Central Seafront. Central Foreshore.

Central Beach area. Esplanade. Fri a.m.

#### For readers in Northern Ireland

The LOOK-IN Secret Agent will be visiting coastal resorts in Northern Ireland during August. Here, readers carrying a current issue of LOOK-IN will be challenged and asked a simple question. If you can answer the question correctly you will be given some increased spending money for your holiday. So in Northern Ireland, too, make sure you have your copy of LOOK-IN with

REMEMBER, YOU MUST HAVE A CURRENT ISSUE OF LOOK-IN WHEN MAKING THE CHALLENGE.



ere's your chance to get a beginners Stamp-Collectors Outfit, absolutely FREE. This Outfit, orth at least 25p, contains everything to start you off on the World's Finest Hobby. This is what it includes:

- 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 per-
- 5. Black Watermark Detector, plus full instructions on how to use items 4 and 5. 6. Metal Tweezers for handling stamps
- 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.

- 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 cor-rect colours to dress up your album
- 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 2½p, in stamps for postage and packing. We will also send you a selection of our famous SPECIAL APPROVALS—a bocklet 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 YOUCHER-CHEQUE value 62½p. This enables you to buy a complete £1.25 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.I)
Eastrington, Goole, Yorkshire.
Please send me the Free Stamp Collector's Outfit described above and your special Approvals for inspection. I enclose 21p. in stamps for postage and packing.

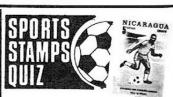
How about your friends? Owing to the value of this Offer, it is limited to one Outfit per applicant. But many of your friends will want to send for this offer, so write their names and addresses on a piece of paper, enclose 2½p. for each, and we will gladly send the Outfit and Approvals to them. No need for them to use the Council. need for them to use the Coupon.



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 ABSO-LUTELY 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.



- 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 splendiforous 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. L1.62). Eastrington, Goole, Yorks.



DO YOU KNOW:

#### Another great Lookin competition +5 Raleigh Chopper' Cycles +3 Hotwheels Pitstop Displays + 150 Hotwheels Cars! +50 Full Colour Posters ! All these fabulous prizes must be won! THE PRIZES: once again five Raleigh 'Chopper' cycles are offered as first prizes in this super LOOK-IN competition. The next 3 best entries will each receive exclusive HERE THEY ARE! HERE'S WHY MORE BOYS PREFER Hotwheels Pitstop Display

speed Hotwheels cars in a unique wooden display cabinet. In addition to the main prizes, 150 Hotwheels cars and 50

exciting colour posters will be awarded to runners-up. ALL YOU HAVE TO DO to enter this fantastic competition is com-

plete the simple X-word puzzle as neatly as you can. Then fill in the coupon, giving your name, age and address and post your entry to the address shown to arrive not later than Friday, August 27, 1971



### **Crossword Clues**

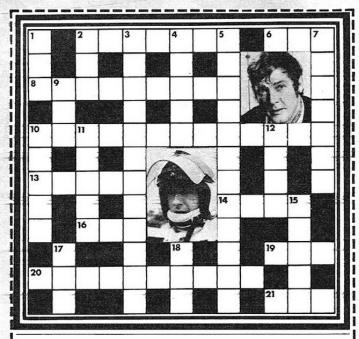
#### ACROSS

- 2. Australian Jack, former world champion driver
- 6. British racing car
- 8. In which John Alderton stars (6, 3)
- 10. Pictured world champion (6, 7)
- 13. A month and a type of racing car
- 14. How you should not close the door!
- 16. Water and the first part of the season
- 19. She's Sooty's girlfriend
- 20. Commonwealth country, birthplace of 11 down (3, 7)
- 21. Star of On the Buses

- 1. The smallest Hillman
- 2. Known as a busy insect
- 3. They make the Sprite (6-6)
- 4. May be used on gardens or fires
- 5. 15 down owns one of these German cars (8-4)
- 7. One of the Jaguars (4,3)
- 9. Meadow found near the start of 8 across
- 10. ITV's soccer expert with the same surname as racing driver Graham
- 11. Leading driver Amon
- 12. Romeo's car
- 15. Pictured star of The Saint
- 17. Comedian O'Connor
- 18. The small Riley

RULES: All entries will be examined and the prizes awarded in the manner described above. Neatness and age will be taken into consideration. ENTRY IS FREE. The competition is open to all readers in the UK other than relatives or agents of employees of Independent Television Publications Ltd., Independent Television Authority, Raleigh Industries and Mattel Inc. The Editor's decision in all matters pertaining to this competition is final and no correspondence will be entered into.

The competition results will be available after September 20, 1971, on receipt of a stamped addressed envelope. Winners will be notified by post by September 18, 1971.



Send your entry to: LOOK-IN X-WORD P.O. BOX 40, KETTERING, NORTHANTS.	COMPETITION
NAME	

Entries must arrive no later than Friday, August 27, 1971.





#### Jack and Stan lose their bus . . . and Blakey blows his top!

ON THEIR WAY TO COLLECT THE BUS DEPOT'S WASES, VACK AND STAN STOP IN THE HIGH STREET TO BUY MRS. BUTLER A MIXER FOR HER BIRTHDAY. WHEN THEY LEAVE THE STORE THEY FIND THE BUS HAS BEEN STOLEN.





TELL YM







YOU MEAN IT, DON'T YOU?
YOU'VE DONE IT THIS TIME,
BUTLER—IT'S YOUR
RESPONSIBILITY, YOU KNOW!









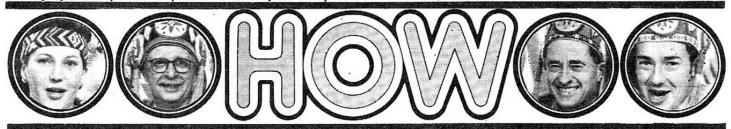


OKAY, BUTLER
...IT'S NOT.
APRIL FOOLS
DAY, Y'KNOW...
HAND OVER THE
MONEY...

THE WAGES



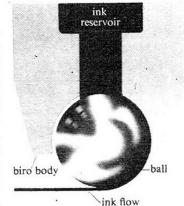
Next week: The chase!



were ball point pens invented and how do they work?

G. Owen, S. Norwood.

Ball point pens, with their semiliquid ink, were invented by a Hungarian named Lajos Biro, in 1943. The body of the pen which will finally hold an ink tube and a metal nib with a ball-bearing tip, is made from hot plastic or metal. A grinding machine produces the tiny steel ball-bearings, while the pen's ink reservoirs are made of polythene tubing. This is then filled with smudgeless, non-fade ink, and fitted with a nib. It was the invention of the special ink which made ball point pens so cheap.



▶▶direction of writing

does a cactus live in the desert without water, and for what purpose are its spikes? J. Priestman, Bradford.

The cactus, like that other famous desert dweller, the camel, has developed its own survival kit. Those weird shapes help cacti hold water so that it will not evaporate, and few cacti have leaves because in sunlight, moisture would escape from leaves. In places where months can go by without a drop of rain falling, every particle of water is vital if cacti are to survive.

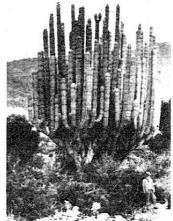
When it does rain-and desert rainstorms can be very heavywater gets into the stems of cacti via their roots. A waxy covering makes the stems waterproof, and they act like an ordinary plant's leaves, making the food cacti need to live.

As for the spikes, most, though not all, cacti have them. Sometimes there are thousands on one plant. They help keep animal visitors from feasting offthe tasty stems, and they also frequently perform the function of leaves, though water cannot. get out through them.



and where did football start? Michael Albon, Sutton, Surrey.

Though the rules of Association Football were only drawn up in 1863 and Rugby Football's rules in 1871, football's history probably dates back beyond the Greeks and Romans to Prehistoric times. Perhaps some of our remote ancestors started kicking some object about—a human skull? Whole villages took part in games of football in the 16th century: there were few rules and many casualties! The ball was usually wooden and some players were on horseback. The object? To get the ball into one's own village. A Welsh version of this rather savage sport was called 'knappen', and sometimes 2,000 players joined in! The Government often banned the game because of the riots it caused and because it interfered with archery training. Association Football started becoming popular outside Britain early in the 20th century and today it is big business in many countries. In parts of South America it is almost a religion!



-high, water-filled cactus found in Mexico.

### ook outfornextweek's

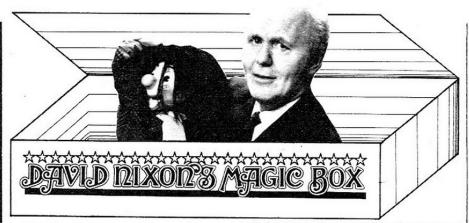
\*NEXT WEEK. LOOK-IN TELLS THE THRILLING STORY OF WHAT HAPPENED WHEN A TELEVISION CREW WENT TO FILM MATERIAL FOR THE SERIES 'LOST CENTU THEY BECAME INVOLVED IN A MILITARY COUP. A WAR ASION, A CAR CRASH AND MAI FABULOUS COM WEEK. MORE RALEIGH 'CHOPPER' DOLLS, BARBIE ACTION AND MANY MORE PRIZES MUST BE WON

GET NEXT WEEK'S LOOK-IN-Order your copy now!



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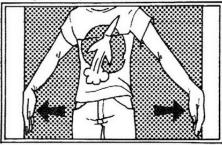
#### ANGLIA MIDLANDS BORDER CHANNEL GRAMPIAN GRANADA WALES/WEST LONDON SCOTTISH SOUTHERN 4.15 Magic Elephant 5.20 Kippy Cavalcade 6.5.20 Kippy 2.20 Kippy 7.30 Kippy 7.30 Kippy 7.30 The Saint 4.40 Zingalong 4.55 Cowboy in Africa 7.00 The Sky's The Limit 4.50 Huck Finn 5.20 Follyfoot 6.05 The Smith Family 7.00 Sky's The Limit 4.40 Thunderbirds 6.25 Albert & Victoria 6.55 The Saint 5.06 Zingalong 5.19 Robin Hood 7.00 Sky's The Limit 7.30 Film 4.55 Charlie Brown 5.20 Follyfoot 7.00 Sky's The Limit 7.30 Friday Film 4.00 Zingalong 4.10 Puffin 4.20 Gilligan's Island 4.55 Land Of The 5.20 Follyfoot 6.00 Riptide 7.00 Sky's The Limit 4.40 Zingalong 4.55 Thunderbirds 7.00 The Sky's The 4.50 Voyage To The Bottom Of The 4.25 Skippy 4.55 Secret Squirrel 7.00 Sky's The Limit 4.30 The Romper 7.7 Room Friday Aug **4.50** Rumblie Jumblie **5.20** How **7.00** Room 222 **7.30** Thursday Film 4.40 Enchanted House 4.55 Skippy 5.15 How 7.00 Thursday Movie 4.50 Adventures In Rainbow Country 7.00 It's Tarbuck 7.30 Mid-Week Movie 4.35 Mel O Toons 4.50 Captain Scarlet 5.15 How 7.00 Survival 7.30 Thursday Film 4.00 Origami 4.10 Puffin 4.20 Survival 4.50 Joe 90 5.15 How 7.00 Thursday Film 4.15 Paulus 4.55 Sky Hawks 5.15 How 7.05 Thursday Film 4.40 Tinkertainment 3.40 Origami 4.55 Woobinda 5.20 How 6.00 Smith 7.25 Thursday Film Longstocking **4.55** Lone Ranger **5.20** How **7.35** The Saint 5.15 How 7.00 Feature Film 4.40 Origami 4.55 Woobinda 5.15 How 6.25 Film Thursday 4.50 Pippi 5.20 How ITV programmes this week: 4.40 Zingalong 4.55 Sooty 5.15 Ace Of Wands 6.30 Randall & Hopkirk 5.15 Holiday Cavalcade 5.15 Ace Of Wands 6.15 Popeye 4.55 Sooty 5.20 Ace Of Wands 6.10 Silver City Folk 4.55 Sooty 5.20 Ace Of Wands 7.00 Hogan's Heroes 4.40 Paulus 4.55 Sooty 5.15 Ace Of Wands 4.00 Pingwings 4.10 Puffin 4.55 Sooty 5.15 Ace Of Wands 4.55 Sooty 5.20 Ace Of Wands 7.00 Smith Family **4.40** Paulus **4.55** Sooty **5.15** Ace Of Wands 4.40 Tinkertainment 4.55 Sooty 5.20 Ace Of Wands Wednesday **4.55** Sooty **5.15** Ace Of Wands 4.15 The Enchanted 4.30 The Romper 4.15 Plupp 4.55 Lift Off 5.15 How 6.10 Hogan's Heroes 6.40 The Tuesday Film 4.55 Lift Off 5.20 How 7.15 The Tuesday Film 4.40 Tinkertainment 4.55 Lift Off 5.20 How 6.50 The Tough Guys 4.50 Cartoon 4.55 Lift Off 5.20 How 6.55 Tuesday Film 4.40 Paulus 4.55 Lift Off 5.15 How 7.00 The Tuesday Western 3.40 Once Upon A 4.40 Hatty Town 4.55 Lift Off 5.15 How 7.00 Feature Film 7.30 On the Buses 6.25 The Ghost & 4.40 Hatty Town 4.55 Lift Off 5.15 How 7.00 Star Movie **5.15** Lift Off **5.15** How **7.05** Star Movie Leprechaun 3.43 Once Upon 5.20 How 6.00 Flintstones Mrs. Muir Tuesday 4.00 Sean the 4.40 Yak 4.55 Lift Off 5.15 How 4.55 Lift Off 4.10 Puffin Time 4.15 Ponny & Sonny 4.30 Castle Haven 4.55 Holiday Cavalcade 5.15 Follyfoot 6.15 Flintstones 4.40 Yak 4.55 Cowboy in Africa 4.30 Romper Room 4.20 Mr. Piper 4.25 Best of Lucy 4.55 Lost In Space 6.45 Opportunity Knocks! 4.40 Origami 4.55 Bush Boy 5.15 Follyfoot 6.40 Opportunity Knocks! 4.55 Flipper 5.15 Follyfoot 6.40 Opportunity Knocks! 4.00 Once Upon A 4.45 Once Upon A 4.55 Rocket Robin 4.55 Sky Hawks 5.19 Follyfoot 6.45 Opportunity Knocks! 4.55 Lost In Space 6.40 Opportunity 6.40 Opportunity Knocks! 6.45 Opportunity 4.50 Bush Boy 5.15 Follyfoot 6.15 Flintstones 4.40 Origami 4.55 Skippy 5.15 Follyfoot 6.15 Survival 5.15 Follyfoot 4.25 Origami Monday Knocks 4.10 Puffin Time 3.15 Big Match 3.15 Film 4.45 The Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 4.40 The Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 4.40 The Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 1.55 Football 2.55 The Great Stars 4.40 The Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 3.16 Fagure Film 4.45 Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 2.45 Big Match 4.45 Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 4.40 The Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 4.40 The Golden Shot 5.35 Europ. Athletics 7.25 Doctor At Large 5.35 Europ. Athletics 7.25 Doctor At Large 3.00 Mad Movies 5.35 Europ. Athletics 7.25 On the Buses 2.15 Forest Rangers 3.55 Match of the 2.50 Feature Film YOUR .55 Footbal Sunday 12.50 World of Sport 5.10 Cowboy In Africa 6.15 The Smith Family 6.45 Action Movie 8.30 On The Buses 12.15 Joe 90 12.50 World of Sport 5.10 Lost in Space 6.45 Saturday Film 8.25 The Smith Family 5.10 U.F.O. 7.15 The Des O'Connor Show 5.10 The Flintstones 5.35 Albert & Victoria 6.15 Saturday Cinema 12.30 Twizzle 12.50 World of Sport 5.10 U.F.O. 6.15 Whittaker's World of Music 6.15 The Golden Shot 7.05 Doctor at Large 11.50 Forest Rangers 12.50 World of Sport 5.10 On The Buses 6.20 Feature Film 8.00 Des O'Connor **E**0 6.15 Bugs Bunny 6.30 Sky's The Limit 7.00 Hogan's Heroes 2.50 World of Sport 11.50 Thunderbirds 12.50 World of Sport 5.05 Catweazle 12.50 World of Sport 11.55 Stingray 2.50 World of Sport 5.10 Man From 6.15 On the Buses 6.47 Saturday Film 6.45 Des O'Connor 7.00 Saturday Film Saturday 5.10 Man From 12.15 Phoenix 5 12.10 Bush Boy 5.10 U.F.O امورجالا THAMES Ł 1 MIDLANDS BORDER AGANARD TONDON MALES/WEST CHANNEL MAMMAND



Here's some strange magic you can try on yourself first, before you amaze your friends.

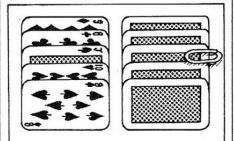
#### A Weird Sensation

Stand in an open doorway, and press the backs of your hands against the door-frame, as shown. Keep pressing them as hard as you can while you count slowly up to twenty. Then quickly step forward out of the doorway—without changing the position of your arms. Suddenly, you will find your arms lifting sideways all by themselves—without any effort on your part. It's a very strange feeling—see for yourself.



#### Clip the Knave

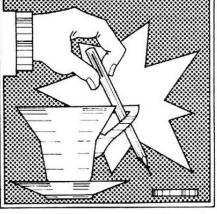
Glue five cards together, overlapping—as in the diagram— and with the Jack of Spades in the centre. Show the cards to a friend, being sure to point out the position of the Jack. Then turn the cards face down, and challenge him to put a paper-clip on to the Jack. Now turn the cards again so that they are face-up, and you will both be surprised to see that the clip is nowhere near the Jack. In fact, it usually finishes up clipped to the face of the end card.



#### Cup and Coin Catch

LORKSHIRE

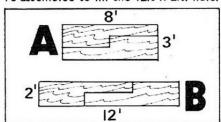
For this cheeky catch you need a cup with a small handle, and a large coin—



such as a 10p or 50p piece. Tell your friends if they push the coin through the handle they can keep the money. When they give up—you take a pencil, poke it through the handle, and push the coin with it. You have done what was required—you have pushed the coin through the handle—it's just the way you say it that counts!

### GEASER GIME

Well, did you solve the carpenter's problem last week? The diagrams show you the correct solution. Figure A shows how the 8ft x 3ft board is cut in two pieces, and B shows how they are re-assembled to fill the 12ft x 2ft. hole.



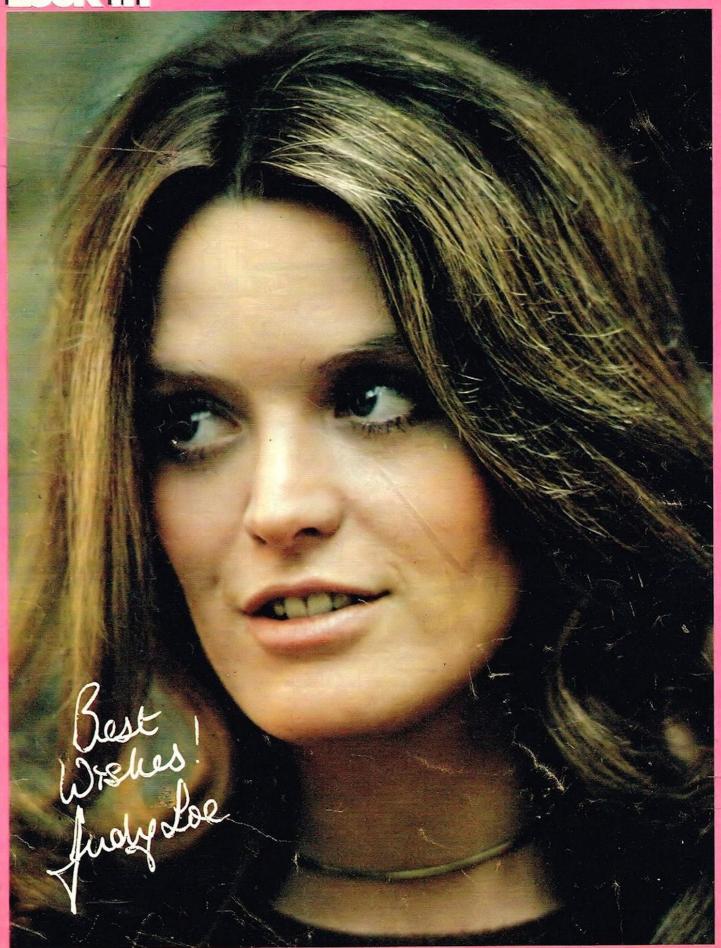
Here is a simple sum. What I want you to do is to rearrange the top four figures so that the total becomes 137 instead of 110. That should be fairly

67 43 110

easy. Now re-arrange them again, so that this time the total is 140. Keep trying!

arrangement with David Nixon. Based on the Thames TV programme. [1

Lookin



JUDY LOE

