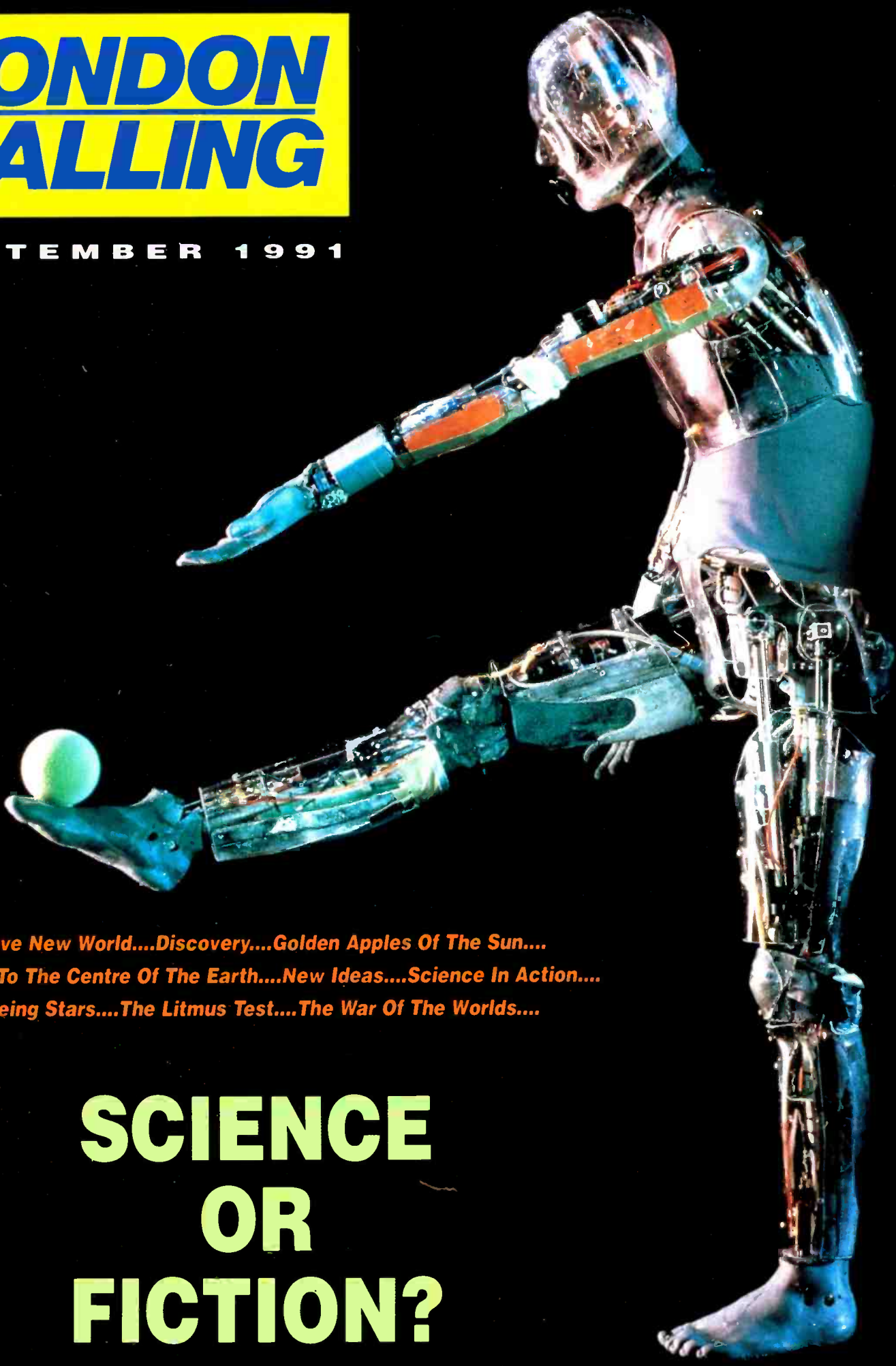


BBC WORLD SERVICE

LONDON CALLING

SEPTEMBER 1991



*Brave New World...Discovery...Golden Apples Of The Sun...
Journey To The Centre Of The Earth...New Ideas...Science In Action...
Seeing Stars...The Litmus Test...The War Of The Worlds...*

SCIENCE OR FICTION?

AT A GLANCE

The transmission times of regular programmes given on this page are intended only as a general guide. Some changes will inevitably occur, and readers are asked to check the timing of individual programmes on the Day to Day pages.

World News

Broadcast on the hour:
15 min: Daily 1500

9 min: Daily 0300, 0500, 0700, 0800, 1600, 2000; Mons-Fris 0900; Mons-Sats 1200

5 min: Daily 2200, 2300, Suns-Fris 1700; Mons-Fris 1400, 1900; Tues-Sats 0100; Sats-Suns 0900

1 min News Summary: Suns, Mons 0100; Daily 1000; Sats-Suns 1400, 1900; Sats 1700; Suns 1200

Newsdesk (30 min)

Including World News and despatches from overseas and UK correspondents **daily 0000, 0200, 0400, 0600, 1100, 1800**

Newshour (60 min)

A comprehensive look at the major topics of the day, plus up-to-the-minute international and British news **daily 1300, 2100**

News About Britain (5 min)

Daily 0309, 1209 (ex Suns), 1609

► There is more news about Britain in *Newsdesk* approx 20 min into the programme and *Newshour*, usually 40 min into the programme.

Twenty-Four Hours (20 min)

Analysis of the main news of the day **daily 0509, 0709**

The World Today (15 min)

Examines thoroughly one topical aspect of the international scene **Mons-Fris 1645 rep 2009, Tues-Sats 0315, 0545**

Outlook (25 min)

An up-to-the-minute mix of conversation, controversy and colour from around the world, plus latest developments in Britain **Mons-Fris 1405, 1905, Tues-Sats 0105**

World Business Report (5/9 min)

The latest news from the markets in the Far East, Europe and the USA **Mons-Fris 0909, 1705; 2305 rep Tues-Sats 0530**

► You can hear more financial news at approx 25 min past the hour in *Newshour* and most *Newsdesks*.

World Business Review (9 min)

A look back at the previous week's business and a preview of upcoming events **Suns 0530 rep 0905, 1705, 2305**

Worldbrief (15 min)

Roundup of the week's news headlines, plus everything from sport and finance to best-sellers and weather **Fris 2315, Sats 0445, 0915**

A Jolly Good Show (45 min)

Dave Lee Travis presents your record requests and dedications in his own unique way **Sats 0815 rep 2315, Tues 1515**

Andy Kershaw's World of Music (15 min)

Mons 0445 rep 0930, Weds 1730

Anything Goes (30 min)

A variety of music and much more, with Bob Holness **Suns 1430 (ex 1st) rep Mons 0330, 0830**

Assignment (30 min)

Weekly examination of a topical issue **Weds from 11th 2030 rep Thurs 0230, 1001 (see page 5)**

Book Choice (5 min)

Short book review every week **Sats 2310 rep Thurs 0140**

Country Style (15 min)

With David Allan **Weds 0145 rep 0445, 0915**

Development '91 (30 min)

Aid and development issues **Tues 1930 rep Weds 0230, 0730**

Discovery (30 min)

In-depth look at scientific research **Tues 1001 rep 1830, Weds 0330 (see page 6)**

Europe's World (15 min)

Magazine programme reflecting life in Europe and its links with other parts of the world **Mons 2205 rep Tues 0445, 0930**

Focus On Faith (30 min)

Comment and discussion on the major issues in the worlds of faith **Thurs 1830 rep Fris 0330, 1001**

From Our Own Correspondent (20/15 min)

BBC correspondents comment on the background to the news **Sats 1830 rep Suns 0330, 0730; Weds 2205 rep Thurs 0445, 0915**

From The Weeklies (15 min)

Review of the British weekly press **Sats 0030 rep 0730, 1945**

Good Books (15 min)

Recommendation of a book to read **Mons 0315 rep Weds 1445, 2315, Thurs 0815**

Global Concerns (15 min)

Update on environmental issues **Thurs 2205 rep Fris 0145, 0915**

Health Matters (15 min)

Keeps track of new developments in the world of medical science, as well as ways of keeping fit **Mons 0815 rep 1945, Tues 0145**

Here's Humph! (15 min)

All that jazz, with Humphrey Lyttelton **Sats 0145 rep 0430, 1001**

In Praise Of God (30 min)

Weekly programme of worship and meditation **Suns 1030 rep 1715, Mons 0030 (see page 6)**

Jazz For The Asking (30 min)

Sats 2220 rep Suns 0630, Weds 1030

Jazz Now & Then/ Folk In Britain (15 min)

Jazz one week, folk the next **Fris 0445 rep Suns 2009, Tues 0130**

John Peel (30 min)

Tracks from newly released albums and singles from the contemporary music scene **Sats 1715 rep Tues 0330, Thurs 0830**

Letter From America (15 min)

With Alistair Cooke **Sats 1015 rep Suns 0545, 1645, 2315**

Megamix (30 min)

Compendium of music, sport, fashion, health, travel, news and views for young people **Tues 1130 rep 1615, 2220**

Meridian (30 min)

Three topical programmes weekly about the world of the arts **Sats**

0630 rep 1130, 2030; Tues 2030 rep Weds 0630, 1130; Thurs 2030 rep Fris 0630, 1130

Multitrack (30 min)

1 World Service Top 20 **Mons 1830 rep 2330, Tues 1215; 2** New pop records, interviews, news and competitions **Weds 1830 rep 2330, Thurs 1215; 3** The latest developments on the British music scene **Fris 1830 rep 2330, Sats 1215**

Music With Matthew (45 min)

Brian Matthew's classical music selection **Suns 0815 rep 2205, Thurs 1515**

Music Review (45 min)

News and views from the world of music **Thurs 2315 rep Fris 0815, 1515**

Network UK (30 min)

Issues and events affecting the lives of people throughout the UK **Thurs 0730 rep 1615, 2220**

New Ideas (20 min)

Window on the world of technology, innovation and new products **Mons 1615 rep Tues 0730, Weds 1215**

Off The Shelf (15 min)

Daily readings from the best of world literature **Mons-Fris 0430 rep 1430 (see page 11)**

Omnibus (30 min)

Each week a half-hour programme on almost any topic under the sun **Weds 0030 rep 1001, 1930, Thurs 0630**

People And Politics (30 min)

Background to the British political scene **Fris 2220 rep Sats 0230, 1030 (see page 9)**

Personal View (15 min)

Topical issues in British life **Sats 0930 rep 1701, 2009**

Recording Of The Week (15 min)

A personal choice from the new releases **Sats 0045 rep Suns 0315, Mons 0545, Thurs 1445**

Science In Action (30 min)

Fris 1615 rep 2030, Suns 1001

Seven Seas (15 min)

Weekly programme about ships and the sea, with Malcolm Billings **Thurs 1930 rep Fris 0130, 0930**

Sports International (30 min)

Mons 2220 rep Tues 0230, 1030

Sports Roundup (15/10 min)

Daily 0945, 1245 (ex Suns), 1745, 2250

Sportsworld (150 min)

Weekly sports magazine **Sats 1401, 1515, 1615**

The Farming World (15 min)

Thurs 0145 rep 0930, 1945

The Ken Bruce Show (30 min)

Suns 0030 rep 1130, 1830

The Vintage Chart Show (30 min)

Each week a classic Top 20 from the past with Paul Burnett. This month's charts are from 1980 **7th: 1964 14th: 1975 21st and 1986 28th. Sats 0330 rep Mons 1030, 2030**

Waveguide (10 min)

How to hear World Service better **Sats 0905 rep Mons 0530, Thurs 0130**

Words Of Faith (5 min)

People of all faiths share how their scripture gives authority and meaning to their lives **daily 0540 rep 0809, 2025, 2305 (Sats only)**

Write On... (10 min)

Air your views about World Service: write to PO Box 76, Bush House, Strand, London WC2B 4PH **Sats 1850 rep Suns 0350, 0750**

LONDON CALLING

London Calling is the programme journal of the BBC World Service in English. To listen to our worldwide transmissions you will need, in most cases, a short-wave radio set, although in some areas we also broadcast on long and medium wave and FM/VHF. On the frequency pages of this edition you will find a guide to the current recommended transmission and frequency times for your area. We work in Greenwich Mean Time or GMT (which some listeners might know better as UTC) so you will have to convert this to local time.

SCIENCE looms large on World Service this month, not just fact but also fiction. You can enjoy a *Journey To The Centre Of The Earth*, witness *The War Of The Worlds*, sample *The Golden Apples Of The Sun* and compare Aldous Huxley's 1920 vision of a *Brave New World* with the reality of the 1990s.

Three of the above programmes are science fiction, one fact. **John Gribbin** is on hand to sort the two out in the new series *Science Or Fiction?* and on page 4 writes about one aspect of his investigations – time travel. *Discovery* resumes its place among the regular science programmes after its summer break, and don't forget *Seeing Stars* and the panel game *The Litmus Test*.

Features and Arts producer **Roger Fenby** strays from his usual path this month and takes to the sea. He wanted to learn more about the business of whaling, talking not only to those who are against it but also to those in favour. The following week he celebrates "the sea itself, and... its limitless, heaving breast" as well as its many other aspects and attributes.

Last year was a fascinating period in British politics, as Thatcherism gave way to Majorism. With a general election due by June 1992, the next nine months promises to be equally interesting – how will the realigned Conservative party stand up to the challenge of an apparently revitalised Opposition?

In September the various opposition parties, as well as the Trades Union Congress, assemble for their annual conferences in preparation for the campaign. **John Eidinow** is our man on the move from venue to venue, reporting on the proceedings for *People And Politics*. On page 9 he provides a flavour of what goes on behind the scenes at these annual morale-boosting events.

Over the years many major political personalities have taken part in World Service phone-ins. Now we offer you the chance to speak to leading religious figures. If you have any questions you would care to put on the theological, social, political or any other aspects of the world's great religions – whether or not you have a faith – you will find the details on page 5.

As ever there is plenty of sport to enjoy this month. The Pan African Games (**20th-October 1st**) should provide some pointers to likely medallists at next year's Olympics. If you are excited by birdies and eagles there is the Ryder Cup (and an article by Renton Laidlaw on page 18) at the end of the month.

Meanwhile the Promenade Concerts reach their usual resounding climax and **Steve Race** embarks on *The Anatomy Of Jazz*, a series which aims to unravel some of the mysteries of the music. He and the series are featured on pages 20-21.

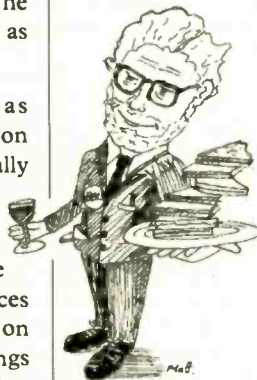
Good listening.

Ernest Warburton, Editor, World Service

Cover: "Manny" the Robotic Mannequin is used to test protective clothing such as space or hazardous environment suits. It has systems which simulate sweating and breathing. US Dept of Energy/Science Photo Library.

IN THE SEPTEMBER ISSUE:

- 2 AT A GLANCE** Regular programmes
- 4 TIME TRAVEL** Science Or Fiction?
- 5 FEATURES** Preview
- 9 ON THE CONFERENCE FRINGE** People And Politics
- 10 DRAMA** Preview
- 12 MUSIC** Preview
- 14 DAY TO DAY** Programme Guide
- 17 ALTERNATIVES** For Africa, Asia, Caribbean, 648 For Europe
- 18 SPORT** Preview
- 19 BACK TO BASICS**
- 20 ON THE RACE TRACK** Steve Race and The Anatomy Of Jazz
- 23 YOUR LETTERS**
- 24 FREQUENCIES**
- 28 IN 35 LANGUAGES** LEARN ENGLISH WITH BBC ENGLISH



John Eidinow, on the conference fringe.

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SCIENCE OR FICTION?

John Gribbin goes

BACK TO THE FUTURE



time, which they call "wormholes", might exist on the scale of the particles, like electrons and protons, that make up the subatomic world.

One of the wilder ideas (not taken seriously by most physicists) is the possibility that an electrically charged particle, such as an electron itself, might be the open end of a tiny wormhole which is threaded by a loop of electric field, like a bead threaded on a piece of wire. And some believe that the nature of empty space itself

can be explained in terms of a froth of wormholes, wrapped around each other.

It is hard to tell where respectable science ends and science fiction begins, because of the very nature of the way scientists make progress. They are meant to come up with wild ideas that sound like something out of SF. Once the ideas are tested they either stay there or turn out to be right after all, and become part of science.

Not so long ago, flying machines were science fiction; come to that, so was the notion of radio!

Even more recently, human beings in orbit around the Earth were science fiction. But not even the SF writers imagined that the first Moon landing would be shown live on TV. Organ transplants, or the manipulation of genetic material – the DNA – of living things to create new species still are still the stuff of fiction, but we hear about them in the scientific news too.

What about robots, machines that think for themselves? Science fiction or fact? Would you believe me if I told you there are people on Earth today who have been frozen alive and expect to wake up hundreds of years from now? Or if I said that astronomers are seriously trying to communicate with aliens from outer space?

All of these ideas have been used by science fiction writers and all, as we describe in the new series *Science Or Fiction?* are taken very seriously by scientists today. We cannot travel in time to tell you which ideas will come true, but we will be bring you reports from around the world of scientific research in this strange borderland where fact and fiction overlap.

Science Or Fiction?

(6 x 15 min)

John Gribbin, science writer, broadcaster and author of several science fiction books, explores recurring themes in SF to discover where science ends and fantasy begins:

Back To The Future: Is time travel possible? **2nd.**

Beyond Evolution: Creating new life **9th.**
Reach For The Stars: Faster than the speed of light? **16th.**

The Living Dead: Suspended animation **23rd.**
Robots At Large: Machines with minds of their own **30th.**

Searching For ET: Where are the Aliens? **October 7th.**

● **Mons 2315 rep Weds 0815, 1515**

IS time travel possible? Commonsense tells us it is not. Time machines, surely, are simply the stuff of science fiction. But scientists from California to Moscow are now seriously investigating the possibility.

Their startling finding is that the laws of physics *do* allow for the existence of time machines – but there is no prospect of a human being using one to go back and change the past.

If their investigations sound like something out of science fiction, it is hardly surprising. The saga began when astronomer Carl Sagan decided to write a science fiction novel. Seeking a purely fictional device to transport his characters across the Universe, he asked a mathematician friend, John Wheeler, to suggest some imitation science, pretending to be based on Einstein's theory of relativity, with which to impress his readers.

To their surprise, when Wheeler and his colleagues looked closely at the relevant equations they found imitations unnecessary. According to Einstein's theory, "tunnels" through both space and time really might exist.

Nobody had thought to take the possibility seriously before, because of the well-known "paradoxes" of time travel. Science fiction writers (including myself!) have often used these in their stories. One popular theme concerns an inventor who receives a visit from a mysterious stranger who shows him how to build what turns out to be a time machine, then vanishes.

Many years and adventures later, the inventor travels back in time and shows his younger self how to build a time machine. He was the mysterious stranger! So where did the knowledge of how to build the time machine come from?

Another time travel puzzle is known as the "granny paradox". Suppose you are a time traveller who goes back in time, and through some accident you cause the death of your mother's mother when she was a little girl.

In that case, your mother could never have been born, and nor could you. So there could have been no accident after all, and granny survives... and so on.

The time machines scientists are now taking seriously are nothing like the one used by H G Wells' traveller, in which you sit and twiddle a few knobs, driving into the future like a car driving along a road. The experts tell us that a genuine time tunnel would involve two black holes, one providing the entrance that you step in to "now", the other the exit you would step out of in the past (or future), connected through what physicists (as well as science fiction writers) call "hyperspace".

Building black holes, and manoeuvring them into the right configuration, would be so extraordinarily difficult that none of us will ever see a working time machine. So we don't have to worry about the paradoxes, after all.

But what fascinates the physicists is the possibility that tiny tunnels through space and

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IT'S GOD'S WORLD

(5 x 59 min)

Head of Religious Broadcasting DAVID CRAIG introduces a special series of phone-ins with a religious theme...

HOTLINE to God? Well, perhaps not, but the 1991 series of live phone-in programmes will give you the chance to raise with the spiritual leaders of the world's great religions the questions about religion you had always wanted to ask.

Religious issues continue to dominate international headlines. The rise of the Hindu political lobby in India, the growth of Islamic fundamentalism, the geographical and political problems of the state of Israel, Buddhist activism in Tibet and the Christian reformation on sexual ethics - all have featured recently.

But as well as historical and factual, philosophical and theological questions, every religion raises personal problems for its followers.

In Christianity there is the perennial tension between politics and religion, between social action and personal spirituality. Islam has to face the dilemma posed by modernism for the revelation of the Qur'an. In Hinduism there is increasing commitment to political action and certain Buddhist schools actively promote violent response to injustice. All traditional faiths face the challenge of modernism and secularism.

Starting **1st 1400** *It's God's World* provides an opportunity for listeners to speak with spiritual leaders of the world's major religions and raise with them in live discussion the problems religions and their practices raise. So wherever you are, whatever your religious affiliation and whether you believe in anything or not, this is your chance to ask the authorities about your concerns.

Each programme is introduced and moderated by **Mike Wooldridge**, our Religious Affairs Correspondent.



In the first programme **HRH Crown Prince Hassan of Jordan**, founder of the al Albeit Foundation in Amman and a leading exponent of Islam in the modern world, will be ready to answer your questions **1st**.

The next guest had yet to be confirmed on going to press **8th**. But the following week the recently appointed Chief Rabbi of Great Britain and the Commonwealth, **Dr Jonathan Sacks**, this year's Reith Lecturer, tackles questions about Judaism, its history, writing, spirituality

and contemporary practice **15th**.

The Archbishop of Canterbury, **The Most Reverend and Right Honourable George Carey**, will be ready in the Old Palace of Canterbury for the questions you want to ask about Christianity, its practice and history, the way the Christian church works, relates to other faiths and sees its future **22nd**.

And finally **General Eva Burrows**, the Salvation Army's most senior officer, will be on hand to answer inquiries about Christian faith, evangelism, the gospel and the world of the Salvation Army **29th**.



HOW TO CALL

We shall be at the end of the telephone each Sunday from **1100** to collect your questions, together with your call-back number so that we can ring you back in time to speak live with our studio guests. The number to call is London (+44 71) 379 7444 if you are calling from overseas, or London (071) 379 0411 if you are calling from within the British Isles.

It's God's World will be broadcast live from **1400-1500** on each of the **Sundays** in September, and repeated in a shortened edition the same day at **2330** and again **Mondays** at **0630** and **1001**.

SEPTEMBER



Assignment

(30 min)

Assignment is back with three programmes on *The Amazon Watershed*.

Outside the Amazon Basin ranchers angry about demands for land reform are attacking peasant farmers. Narrowly avoiding being shot himself, **George Mombioh** follows the peasants to remote Amazon gold-mining areas. Here they invade the lands of the Yanomami Indians, themselves becoming the aggressors **12th**.

The second programme seeks an explanation for the destruction of part of the Amazon in the Brazilian army's plans for development of the northern frontier and the booming timber industry **18th**.

Finally Mombioh examines different farming systems and political developments which could offer striking new solutions to the problems of the Amazon **25th**.

● **Weds from 18th 2030, Thurs from 12th 0230, 1001**

Bright Moon Of The Seasons

(3 x 15 min)

In the Scottish Highlands and Islands of the last century lived men and women whose strong religious faith was a bulwark against the pain of fighting the elements.

They composed prayers which, translated from the original Gaelic, are profoundly beautiful and moving poems. They ask for protection for the fisherman at sea and the woman at her loom. They call down blessings on activities from milking the cow to kindling the fire.

Some of these prayers, handed down orally from generation to generation, are charms and incantations with a pre-Christian feel. They harmonise with the landscape and strong seasonal rhythm of life in the Highlands. Here they are interwoven with music from the Celtic tradition.

● **Weds from 11th until 25th 0130 rep 0930, 1715**

Girls Will Be Girls

(4 x 30 min)

Sketches and songs from the **Bobo Girls - Stoned, William and Rebecca Front** - featuring each week an episode from a dramatic blockbuster mini-series!

● **Weds 1530 rep Thurs 0030, 1030**

Great Newspapers

(6 x 15 min)

The last title in the series is Britain's *Guardian*, leading voice of the liberal Left.

Owned by a trust, who decides on policy? Are the paper's views coming in from the cold after the Thatcher years? And what is it to be a "Guardian Woman"?

● **Weds until 4th 0130 rep 0930, 1715**



HRH Crown Prince Hassan of Jordan



The new Chief Rabbi, Dr Jonathan Sacks



George Carey, Archbishop of Canterbury



General Eva Burrows of the Salvation Army.



SEPTEMBER

Discovery

(30 min)

"The best science program (sic) on radio, any radio - AM, FM or World Band. Sub-atomic particles, genetic engineering, earthquake prediction, intergalactic winds - no matter the subject, you'll find yourself understanding it, even if you knew nothing at the start."

That is how the 1991 *Passport To World Band Radio* describes *Discovery*, which returns in September. It is about fundamental research, be it into the stars or the Earth, our environment or ourselves.

Martin Redfern reports from The Gambia on the contribution of modern molecular biology to primary health care, and from Plymouth in England on the annual meeting of the British Association for the Advancement of Science.

● **Tues 1001 rep 1830, Weds 0330**

In Praise Of God

(30 min)

An act of worship led by the **Rev John Davis**, Chairman of the North Wales District Methodist Church begins the month **1st**. September also sees the induction of **Dr Jonathan Sacks** as Chief Rabbi of the United Hebrew Congregations of Britain and The Commonwealth, at St John's Wood Synagogue in London.

Dr Sacks, former principal of Jews College, takes over from Lord Jakobovits and the main parts of the service will be broadcast **8th**.

The London Catholic Taize Group - young Catholics inspired by the informal liturgies of the international Taize community in France - are featured **22nd**.
● **Suns 1030 rep 1715, Mons 0030**

It's The Law

(5 x 30 min)

In China an accused person is deemed "guilty" before the trial takes place, and research has shown that more than 90 per cent are convicted.

In the penultimate programme in this series, Far East legal expert **Philip Baker** examines the development of the Chinese legal system and its influence on the law in Korea, Japan and Vietnam **15th**.

In the final programme **Dr Ian Edge** of London University's School of Oriental and Asian Studies probes the controversial area of Religious Law, including the laws of Islam and Hindu religious law **22nd**.
● **Suns until 22nd 0230 rep 1615, Mons 0730**

Leaders And Leadership

(5 x 30 min)

Another statesman describes the view from the top to **Geoffrey Stern**. Whether

Mastering Photography

(8 x 15 min)

Three years ago the series *Mastering Photography* was broadcast on World Service and the expert advice on offer helped many a happy snapper to bring the subject into sharp focus.

The series provided tips from the professionals designed to help everyone from beginners to the most dedicated, fully-equipped amateur practitioners.

The results were there for all to see as entries poured in from listeners for the photographic competition which accompanied the series (see below).

Mastering Photography studies the medium through the eyes of eight master photographers, each with their own specialities and skills.

We start right at the top of the profession with **Lord Snowdon**, who rejects the idea of photography as art and prefers to be described as a journalist. He talks about taking pictures of family occasions **20th**.

Heather Angel, ex-president of the Royal Photographic Society, is well-known for her wildlife photographs. It takes patience, knowledge and

sympathy with the natural world to capture birds, animals or plant-life on camera **27th**.

Later, sport and current events, landscapes, fashion, food and children will be discussed by photographers **Eamonn McCabe**, **Fay Goodwin**, **Terence Donovan**, **Joe Partridge**, **Tessa Traeger** and **Brian Ollier**. Presenting this series of master classes is **Colin Ford**, Keeper of Britain's National Museum of Photography, Film and Television.

● **Fris from 20th 1445 rep Suns 0445, Mons 0915**



This picture by a listener, Rashid Talukder from Bangladesh, was one of the impressive entries in the 1988 World Service photographic competition.

or not this series of interviews succeeds in unlocking the ultimate secret of political authority, it reveals much about the men who wield such power.

● **Weds until 4th 2030 rep Thurs 0230, 1001**

Lines Of Communication

(4 x 10 min)

In the final talk of this series about language, **Patrick Hannan** attempts to distinguish between modern myths and reality.

● **Mons until 2nd 1635 rep Tues 0750, Weds 1235**

Slightly Foxed

(5 x 30 min)

Gill Pyrah puts questions on poetic beginnings, unflattering dedications, "purple" passages, literary prizes, critics and cats to two teams of writers.

Simon Brett and **Paul Bailey** battle it out with **Sheridan Morley** and **Maureen Freely** **1st**; then **John Walsh** and **Gemma O'Connor** team up against **Chris Bigsby** and **Julian Mitchell** **8th**. Finally Bailey and Morley regroup to challenge Brett and Freely **15th**.

● **Suns until 15th 2030 rep Mons 1215, Thurs 0330**

Journey To The Centre Of The Earth

(9 x 15 min)

The epic journey inside our planet that Jules Verne once portrayed in fiction is now possible in fact. Using a combination of techniques ranging from spacecraft and submarines to explosives and diamond presses, geologists can at last view planet Earth as a whole, from the furthest reaches of its influence in space to the white heat of its radioactive core.

Martin Redfern accompanies the scientists on their journey through the fragile veil of the atmosphere and the mysterious depths of the oceans to a violent world of volcanoes, dinosaurs and drifting continents.

This successful series is repeated to mark the publication in October of an accompanying book by the presenter. *Journey To The Centre Of The Earth* is published by Broadside Books at a UK price of £14.95. For mail order overseas write to BBC World Service Shop, PO Box 76, Bush House, The Strand, London WC2B 4PH.

● **Mons from 2nd 1445 rep 1930, Tues 0915, 2205**



Tales Of Earth And Water

(5 x 10 min)

"Jakarta is hot, noisy, filthy, crowded and a curiously good place to live... after the shifty unfriendliness of Londoners, the welcome is a little overwhelming."

But Nigel Barley's experience of Indonesia did not stop at its capital city. In search of traditional cloths and textiles he took an "anthropological ramble" across two of Indonesia's islands, finishing in the mountains of Flores.

On his travels he came across some strange and curious sights such as the "cool dude" who smoked two cigarettes at once, and the hotel where his fellow guest was Goro Kidul, much-feared goddess of the South Seas. Producer Mick Webb.

● **Mons from 9th 1635 rep Tues 0750, Weds 1235**

Something To Die For

(1 x 30 min)

Something To Die For was previewed in the February issue of *London Calling* but postponed on the outbreak of war in the Gulf. Now you can hear this programme in which **Alenka Lawrence** examines the motives and influence of people who have given up their lives for a cause.

Thomas More died for religious principle; Jan Palach in political protest; Maximilian Kolbe to save the life of a fellow human being. For the Japanese *kamikaze* pilot death was for the glory of his country.

Do such actions spring from fanaticism, madness or a self-centred death wish? Are they the supreme exhibition of altruism? Are the dead martyrs, heroes or suicides? Alenka Lawrence talks to theologians, psychologists and historians.

● **Sun 29th 0230 rep 1615, Mon 0730**

The Great Cathedrals Of Britain

(6 x 30 min)

Malcolm Billings and **Tim Tatton-Brown** continue the story of Britain's cathedrals:

Out of the Ashes: Building the great cathedrals took many decades and many setbacks, including in the 12th century a devastating fire at Canterbury and an earthquake at Lincoln. When rebuilding began, the latest fashion in architecture was imported from Europe - Gothic, with its pointed arches and slender pillars soaring upwards to the vaulted roof **6th**.

Plague, Insurrection and Men's Souls: In the mid-14th century the Black Death raged through

Europe, killing some 25 million. Work was suspended on many English cathedrals. The custom arose of building chantry chapels, in which masses were said for the souls of the dead **13th**.

Reformation and Destruction: In 1532 Henry VIII declared himself Head of the Church in England. He was tempted by the wealth of the monasteries and in the Dissolution which followed, many fine ecclesiastical buildings were destroyed. Several new cathedrals emerged, however, often from monastic origins **20th**.

The Glorious Inheritance: Cathedral building was more or less complete by the 16th century but preservation and restoration is a never-ending task. The Civil War of the 1640s inflicted great damage on some cathedrals, and this was followed by neglect in the following decade under the rule of Oliver Cromwell.

Extensive restoration work took place in the 19th century but today many of Britain's cathedrals suffer from such problems as air-pollution, as well as old age **27th**. Producer John Knight.

● **Fris until 27th 0730 rep 1215, 1930**

The Litmus Test

(10 x 30 min)

"Pinks" and "Blues" continue their battle in the game in which two teams of scientists vie for scientific (and humorous) eminence.

Michael Scott is in the chair, handing out points for correct answers, and bonus points for witty replies and anecdotes.

Producer Louise Dalziel.

● **Mons 1715 rep Tues 0030, Wed 0830**

Seeing Stars

(1 x 15 min)

★ by **Heather Couper** and **Nigel Henbest**

RINGWORLDS

Look out for it in the evening sky: it is low in the south if you are in the northern hemisphere, and almost overhead if you are south of the Equator. At first sight it looks just like a bright star, but it is distinctly yellowish and does not twinkle.

If you can get hold of a small telescope, take a magnified peek at Saturn. It is a stunning sight: a golden yellow ball encircled by rings, looking for all the world like an illuminated model.

For us, it ranks as the most wonderful sky-sight that you can see with a backyard telescope.

Saturn was once known as "the planet with the ring". But it is no longer unique. Astronomers have found that Jupiter, Uranus and Neptune - the other three giant gas-planets - have rings too. The puzzling thing about the four ring systems is that

they are all very different. Jupiter, for instance, is encircled by a very faint "smoke-ring" made of microscopic particles sandblasted off Jupiter's moons by micrometeorites.

In contrast, Saturn's ring system is dazzlingly bright and very extensive. The rings span a distance of more than 270,000 kilometres (two-thirds the distance from the Earth to the Moon).

From Earth, you can see three broad rings. The two Voyager spaceprobes, which whizzed past Saturn a decade ago, found that these broad rings are divided into hundreds of thousands of fine "ringlets", like the grooves of an old-fashioned

long-playing record. Some of these ringlets are not even circular, but elliptical - and a few are even plaited around one another.

The ringlets are controlled by "shepherd moons" - tiny moons just a few kilometres across whose gravity "noses" the ring particles into line, like sheepdogs herding an unruly flock of sheep. Last year, scientists analysing ten-year-old Voyager photographs discovered Saturn's tiny 18th moon circling the planet in a clear gap within the rings.

Saturn's rings are so bright because the ring particles - which range in size from a sugar cube up to a family car - are made of ice. They are

probably fragments of a moonlet that was shattered by the impact of a comet, perhaps as recently as 100 million years ago.

Uranus and Neptune both have rings that are dark and narrow - which means we cannot see them from the Earth even in a powerful telescope.

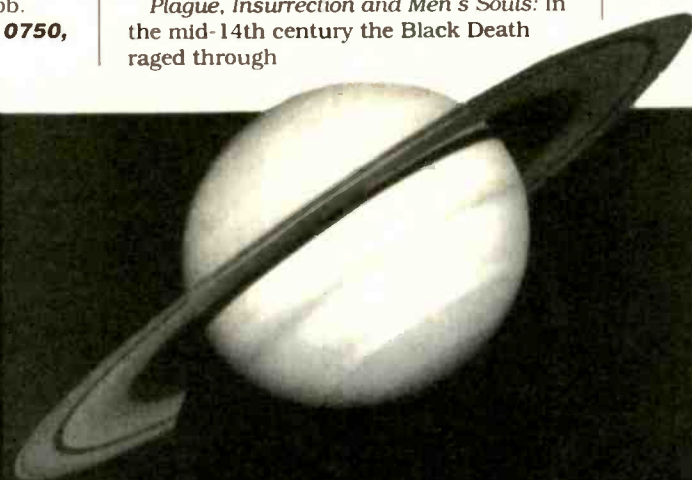
The particles making up the rings, however, are among the blackest in the Solar System; they have been tarnished by electrically-charged particles from the Sun. Uranus has 11 narrow rings and Neptune only two.

Neptune's outer ring has three prominent clumps in it, and these are mystifying scientists.

The clumps should disperse along the ring in no time at all, unless the particles are being "shepherded" but absolutely no trace has been found of the shepherd moons.

It now seems that with four ringworlds in the Solar System to explain, our problems are only just beginning.

● **Sat August 31st 0130 rep 2205, Sun 0915**



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ALL AT SEA



SEPTEMBER



The Long, Dark Journey Back
(1 x 45 min)

Nobody knows why the common eel swims 5,000 kilometres across the Atlantic Ocean to spawn in the mass of floating seaweed that forms the Sargasso Sea.

Until the start of this century, it was thought that the eel generated spontaneously from the ooze of river beds. Then eggs, larvae and immature eels were discovered drifting in the Atlantic and the birthplace of the eel was traced to the Sargasso. There it begins life as a leaf-like, transparent larva, gradually drifting with the Gulf Stream towards Europe.

By the time it reaches the coast of south-west England it has become a tiny elver and, on its journey up the streams of the West Country, it turns yellow.

Seven years later, it is a mature silver eel ready to make the long journey to the Sargasso, to spawn and die. The mysterious and fascinating life story of the European eel is written by Paul Thomas, told by **Andrew Sachs, Barry Paine** and **Deborah-Jane Sharpe** and produced by Michael Bright.

● **Mon 16th 0101 rep 1515**

Whaling (1 x 45 min)

To the hungry settlers struggling to survive on the harsh Icelandic shores a thousand years ago, a beached whale was literally a "godsend". Rich in oil, it provided light and heat as well as food.

But Mankind's relationship with whales has grown ever more complex. When American seafarers from Nantucket roamed the oceans of the world in pursuit of the great sperm whale, the writer Herman Melville put the creature at the heart of his extraordinary novel *Moby Dick*. But with industrialisation, species after species of great whale were hunted to

virtual extinction by the nations of the world.

In the age of conservation, the whale became such a powerful symbol of the plundered Earth that ecological pressures led the International Whaling Commission to ban commercial catches. Now perhaps the greatest threat might not be the harpoon but toxic waste.

Roger Fenby examines all these aspects of our continuing relationship with whales.

● **Sat 21st 1901 rep Mon 0101, 1515**



LEFT: Engraving from Monck's *Account Of A Most Dangerous Voyage To Greenland, 1744.*

The Sea, The Sea

(1 x 45 min)

Standing a nightwatch aboard one of the few vessels left from the great age of sail can be romantic and demanding almost simultaneously. Aloft stars shine through the dark rigging as the ship wallows in a swell. Moments later commands may come to climb the mast to handle canvas as the wind freshens.

That is what **Roger Fenby** found on a voyage aboard the iron brig *Astrid*. It was merely a four-day trip but it mirrored

more epic encounters with the sea. Struggling against storms or beset by calms, making landfalls or negotiating shoals and reefs – such manoeuvres have always been a rich source of inspiration and imagery for writers and poets.

The Sea, The Sea blends recordings aboard *Astrid* with an anthology of writing about the sea, from Viking Sagas to the novels of Joseph Conrad. These are set against observations from those who go to sea, scrutinise its qualities and assess its peril and fascination.

● **Sat 28th 1901 rep Mon 0101, 1515**

ON THE CONFERENCE FRINGE

JOHN EIDINOW takes us behind the scenes at the conferences on which he reports for *People And Politics* this month...



None need ever go hungry or thirsty at a British political party conference. In the scores of hotels lining the sea fronts of the resorts favoured by the parties for their annual get-togethers – Brighton, Blackpool, Bournemouth – wine, coffee and sandwiches are given away, positively urged on delegates and journalists.

For the professional consumer of this largesse, there are two essential sources of intelligence on its whereabouts: the Conference Handbook and the torrent of fliers, newsletters and handbills thrust out every morning by campaigners crowded round the entrance to the conference centre.

Take them all. Here are to be found the announcements of fringe-meetings, held outside the

conference proper at lunch-times and through the evenings. The gourmet's eye sweeps across topic, speaker, time and place to the key phrase, "Sandwiches and Drinks – All Welcome".

Plate unashamedly piled high with smoked salmon sandwiches, glass of wine in hand and another in reserve in jacket pocket (a trick learned from a senior well-lunched Labour MP), seated in a comfortably padded chair, the conference-goer can enjoy a pleasingly reflective hour to a background hum of speeches on the troubles of nursery education, the plight of small businessmen or the destruction of the planet.

Of course, there's more to the fringe than the Lucullan pleasures of (to put it another way) a curling sandwich, a warm glass of Scottish white wine and the future of the hat industry.

As the parties' public relations skills turn floor debates into an ever more sophisticated vehicle of designer politics, dedicated to the manufacture of TV soundbites, as

politicians' interview techniques become ever more ruthlessly assertive, the fringe meeting can provide the only opportunity for the observer to dive below the glittering surface and chart the parties' hidden feelings.

Look again at that daily list of fringe meetings. The grand set-piece, the famous political club's Annual Lecture given by a leading politician: will he signal dissent or utter a muted call for a significant new approach? The meeting of the party pressure group with a platform of familiar rebels: is the audience fewer than last year, the applause more routine – are the arguments past their sell-by date? The interest group which has attracted a junior government spokesman to hear its complaints: will he try to mollify it by hinting at a change to come?

The dully read lecture in the half-empty theatre, the obsessive questioner sticking to his guns, the rank smell of black tobacco outside hard-left meetings – in all of these there is still the smack of real politics and the chance of a fresh insight.

And as a dedicated fringe-goer

you can improve your health as you rush to and fro along the sea-front in search of the back rooms of obscure hotels.

The speakers you really want to hear are all appearing in different meetings at the same time; you cannot get in for the crowd because you lingered too long at the meeting before, it is a cash bar and anyway it is just closing.

But sitting at the back of the hall, peering round the TV cameras, clutching your glossy handout or smudgy membership form and your lukewarm beer, wishing that the introductions were shorter, the speeches less familiar, and that someone would open a window – yes, you are at Conference and you are loving it.

● **Fri 2220 rep Sats 0230, 1030**

CONFERENCE DIARY

Trades Union Congress, Glasgow **2nd-6th**
Social and Liberal Democrats, Bournemouth **10th-15th**

Scottish Nationalist Party, Inverness **18th-21st**
Green Party, Wolverhampton **19th-23rd**
Labour Party, Brighton **30th-Oct 4th**
Conservative Party, Blackpool **Oct 8th-11th**



SEPTEMBER



Bill Paterson and Phyllis Logan star in *A Man With Connections*.

A Man With Connections

(1 x 90 min)

Andrei arrives home from work in an unusually cheerful mood. He has good news for his wife Natasha, but she is nowhere to be seen. Eventually he finds her – hiding in the wardrobe.

She has broken down, overcome by the strain under which she has been living. A month ago their son Alyosha was seriously injured in an accident at work which, Natasha had learnt, was caused by Andrei's negligence.

In the bitter quarrel that follows, all the tensions and strains of their 20-year marriage come to the surface. Will they be able to achieve a reconciliation and give their crippled son the love and support he will need when he comes out of hospital?

Bill Paterson plays Andrei and Phyllis Logan Natasha in this 1982 work by leading Soviet playwright Alexander Gelman, translated and adapted by Stephen Mulrine and directed by Marilyn Imrie.

● Sun 1st 0030 rep 1130, 1830

PLAYS OF THE WEEK

How I Got That Story

(1 x 60 min)

"Recaptures both the black comedy and the bottomless tragedy of Vietnam." – Frank Rich. *New York Times*.

Author Amlin Gray was drafted into the US army in 1966 and served as a medic in Vietnam. Out of his experiences in that intractable war comes this painfully funny play.

We are in Amboland towards the end of the war. An American reporter arrives to work for the Trans-Pan-Global Wire Service. The country and its people are way beyond the scope of his small-town American imagination and he is buffeted and bemused by the alien events and people he encounters. Gradually, he is drawn in by the extraordinary way life has to be lived in this volatile situation – and experiences what his editor calls "imprintment".

"What the Hell's 'imprintment'?"

"A reporter goes to cover a country and the country covers him."

Bill Hope plays the bemused reporter and Kerry Shale, with extraordinary vocal and technical dexterity, represents all the characters and most of the sounds the reporter encounters in his epic odyssey of enlightenment.

The play is adapted for radio by Kerry Shale and directed by David Hitchinson.

● Sun 8th 0101 rep 1201, 1901

Brave New World

(2 x 60 min)

When the novel *Brave New World* was published in 1932 many of the issues it tackled must have seemed fanciful to its readers – matters such as genetic engineering, test-tube babies, mood-altering drugs and social engineering.

Aldous Huxley's vision of the future is still some way off even today, but test-tube babies are a reality, genetic engineering a matter of controversy and drugs such as heroin, cocaine and tranquillisers a major problem in many societies.

The story is set in the year AF 632 ("Our Ford" has replaced the gods of the ancient religions, such as Christianity). It begins in the Central London Hatchery and Conditioning Centre, a vast building where society is literally manufactured.

Children are created in test-tubes and incubators, and conditioned at a very early age to be contented members of whichever social class they are assigned to – whether it be the elite Alphas and Betas, or the despised but socially useful Gammas, Deltas and Epsilons.

In theory everyone should be happy, but the occasional moment

of anxiety or despair can be alleviated by taking a dose of "soma", which will wash away all troubles.

Bernard Marx is one of the elite, an Alpha-Plus, but he is something of a drop-out. He wants to spend time on his own, which is considered socially unacceptable. A further example of his deviant behaviour is his wish to go to New Mexico to see the "savages" in their reservation.

These people still live in "families", with fathers, mothers and children, aunts, uncles and cousins. They also grow old – their hair turns white, their teeth drop out and their skin becomes wrinkled. All this is totally repulsive to the citizens of the Brave New World.

Bernard visits the reservation with his friend and colleague from the Hatchery, Lenina. They meet a savage who seems different from the rest – his name is John, and he says that Linda, his mother, came to the reservation from the civilised world before he was born.

On impulse Bernard invites John and Linda to return with them to London, to experience the Brave New World. And what an experience it is...

Dramatised in two parts by Stephen Mulrine, *Brave New World* stars Gary Cady as John, Moir Leslie as Lenina, Jonathan Taffler as Bernard and Frances de la Tour as Linda. It is directed by Marilyn Imrie.
● Suns 15th, 22nd 0101 rep 1201, 1901



Denizens of the *Brave New World*, including Gary Cady (leather jacket); Moir Leslie (front left) and Frances de la Tour (behind Cady).

Here Is Monster

(1 x 60 min)

After years of reckless wanderings through wicked woods and darkened dungeons, Massimo returns home to his wife and his witch. He has become a man – he is monster no more.

But the bruises he gave his wife have never faded and the beatings he gave his witch are still required. Massimo discovers that it is not easy to forget his monstrous past and redeem his future.

Brock Norman Brock's new play is half fairy-tale, half tragedy. Witches down wells tempt Massimo, "small ferret husbands" and "nincompoop wives" advise him and his own monster-self confounds him.

Oliver Cotton is Massimo, with C P Grogan, Karl Johnson, Elizabeth Rider and Marjorie Yates in this award-winning play. This production, postponed from June, is directed by Hilary Norrish, with original music composed by Matthew Scott.

● Sun 29th 0101 rep 1201, 1901

Short Story

(15 min)

In a black township a journalist listens to a strange tale of old magic amid the violence. *Fountains* is by Steve Jacobs in South Africa 7th.

A walk through the desert becomes a spiritual journey. *One Way* is by Ayman Awal in Morocco 14th.

Grandma is the centre of Eleni's world, comforting and wise. But then the "wicked ones" come... A child's emotions are beautifully evoked in *Ursuza* by Anastasia Pantazidou in Greece 21st.

The intense heat of an Australian summer builds to a violent climax in *The Long Hot Day*, by Joan Birchall in Tasmania 28th.

● Sats 0130 rep 2205, Suns (ex 1st) 0915

OFF THE SHELF

(15 min)

The Name Of The Rose

If you have been listening to the first 15 episodes, you no doubt think you know "whodunnit" — murdered no fewer than half a dozen monks in mysterious circumstances in that mediaeval Benedictine monastery in Italy.

After all, there has been a full confession. But William, Michael and Ubertino have their doubts.

In fact, they think they are right back where they started.

It will take them — and you — the final five episodes of Umberto Eco's best-selling first novel to unravel the rest of the mystery **until 6th.**

The War Of The Worlds

In 1938 a celebrated radio dramatisation of H G Wells' *The War Of The Worlds* by Orson Welles in the USA caused listeners to flee their homes in panic. To this day the story remains exciting and thought-provoking.

The year is 1902, and invaders from the planet Mars have landed in the peaceful English countryside.

The first reaction of the local people is curiosity, but as the newcomers show themselves to be both repulsive-looking and aggressive, curiosity turns to fear, and fear to panic as the Martians go on the rampage.

The alien challenge seems to be too much for the Earth's armed forces, and for the first time Man's dominance is threatened. *The War Of The Worlds* is abridged in eight parts by John Scotney and read by **Simon Ward 9th-18th.**

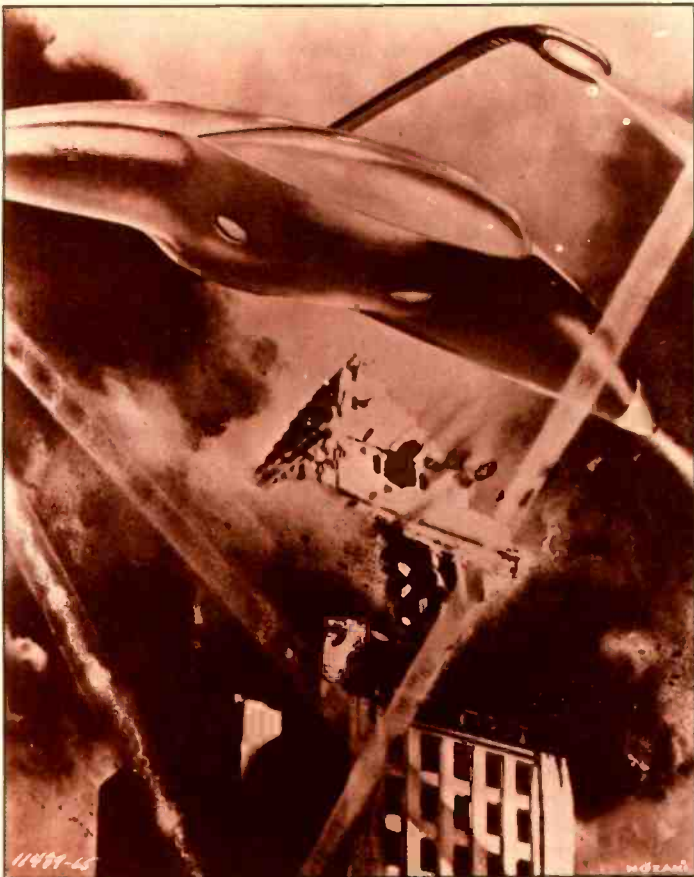
Silas Marner

Alec McCowen reads this classic tale of a lonely linen weaver, wrongly accused of theft in his youth. Friendless and feared by the villagers of Raveloe, his only love is for the pile of gold he has accumulated over his years of work.

When it is stolen by the Squire's reprobate son Dunston Cass, Silas is distraught. Then he finds a lost child and adopts her.

The 19th century writer George Eliot wished to display in this timeless novel, "the remedial influences of pure, natural human relations". It is through his love for the child that Silas is returned to a more normal, caring life. The story is abridged in 20 parts by Eileen Capel **23rd-October 18th.**

● **Mons-Fris 0430 rep 1430**



The War Of The Worlds: H G Wells' science fiction classic caused panic on radio in 1938 and was made into a film in 1953. (Paramount Pictures)

The Golden Apples Of The Sun

(4 x 30 min)

From the pen of one of America's finest science fiction writers, Ray Bradbury, comes *The Golden Apples Of The Sun*. These four programmes (each with two separate tales) are sometimes macabre and sometimes humorous, in a way that is still as thought-provoking as when the stories were first published in 1953.

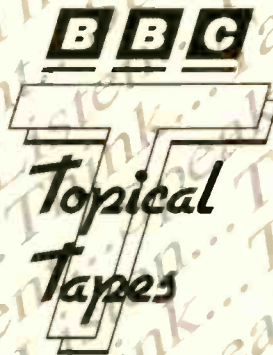
Take, for example, the title story *The Golden Apples Of The Sun*. A spaceship is sent on a seemingly futile mission to obtain the sun's rays (or "golden apples") in a cup. The resulting loss of innocence is akin to that lost by Adam and Eve in Eden.

In *A Sound Of Thunder* a man travels back in time to hunt dinosaurs and subtly changes the course of evolution, with unhappy consequences when he returns. And a futuristic society in which electronic communication is so sophisticated that everyone is accessible is too much for *The Murderer*, who takes it on himself to "kill" the equipment.

The Golden Apples Of The Sun & Hail And Farewell 5th; The Flying Machine & The Fruit Of The Bottom Of The Bowl 12th; A Sound Of Thunder & The Murderer 19th; and The April Witch & The Fog Horn 26th.

Although best-known for his novels and screenplays, Ray Bradbury has also written poetry and plays for the theatre. The book is adapted for radio by Laurence Gilbert and produced by Peter Hutchings. ● **Thurs from 5th 1130 rep 1715, Fris 0230**

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SEPTEMBER

All Time Swing

(7 x 30 min)

Big bands, big names – **Malcolm Laycock** rounds off his survey of the swing era.

● **Tues 3rd 0630 rep Weds 1615, 2220**

'B' Side Beat

(10 x 15 min)

Mike Read turns over some more singles to reveal the little gems on the flip sides.

● **Fris 2205 rep Suns 0430, 0930 (ex 1st)**

Concert Hall

(45 min)

Hard on the heels of the Proms *Concert Hall* returns with an **Alfred Brendel** piano recital of works by Bach, Chopin, Liszt and Mozart **15th**; Respighi, Busoni, Kempff and Mozart demonstrating the art of arrangement, with a little help from Rossini, Bach and Handel **22nd**; and a song recital by Dutch soprano **Elly Ameling 29th**.

● **Suns from 15th 1515 rep Tues 0815, 2315**

Composer of the Month

(30 min)

September marks the 150th anniversary of the birth of Antonin Dvorák. The son of a provincial innkeeper in what is now Czechoslovakia, he became one of the most admired and popular composers who ever lived.

This month's programmes follow his development from his arrival in Prague, in a haycart, to the height of his career as an international celebrity, fêted on both sides of the Atlantic, and with his humility undiminished.

One of the most lovable figures in musical history, his cause was taken up by Brahms, Liszt and Hans von Bulow, with whose help he established himself as the very embodiment of his homeland.

His *Slavonic Dances* took Europe by storm and he became a great favourite in England, for which he wrote a number of choral works.

He was an honoured visitor to the United States, which he honoured in turn with the *New World Symphony* and the so-called *American Quartet*. And he crowned his career with what is probably the greatest cello concerto yet written.

● **Mons 0230 rep 1130, Tues 1715**



Rock Salad

(13 x 30 min)

Tommy Vance is back, turning up the volume on music that, with its crashing guitars, thunderous drums and screaming vocals, can either inspire devotion or give offence. He pays homage to established

stars like Dire Straits and Chris Rea as well as featuring new material from the likes of Guns 'n' Roses, Lisa Dominique, Black Crowes and The Almighty.

Also, as ever, he would very much like to hear from you. So drop a line naming your favourite artist or track to: Tommy Vance, *Rock Salad*, BBC World Service, 100 CB, Bush House, PO Box 76, London WC2.

● **Tues from 10th 0630 rep Weds 1615, 2220**

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The Anatomy Of Jazz

(5 x 30 min)

The finest jazz is not all inspiration and perspiration but the result of careful thought, preparation and discipline. **Steve Race** launches a series designed to reveal the "nuts and bolts" that hold the music together. See feature pages 20-21.

● **Fris from Aug 30th 0030 rep 1030, 1715**

English Songsmiths

(6 x 15 min)

As in his earlier series a few years ago, **Richard Graves** presents cameo portraits of six English composers who have made a significant, and too little remembered, contribution to the art of the solo song.

This month he explores the delightfully tuneful, often poignant legacies of Sir Charles Villiers Stanford **7th**, Sir Hubert Parry **14th**, Armstrong Gibbs **21st** and Thomas Dunhill **28th**.

● **Sats 0745 rep Mons 0145, Tues 1445**



Sir Charles Villiers Stanford.

PROMS 91

The Promenade Concert season from London's Royal Albert Hall reaches its usual climax this month. The live concert programme is as follows:

Mahler's *Symphony No 9* – the City of Birmingham Orchestra conducted by Simon Rattle **Thurs 5th 1900.**

In The South by Elgar and *Symphony No 8 In G* by Dvorak – the **BBC Philharmonic** conducted by **Sir Edward Downes Sat 7th 1830.**

Music by Mozart: *Sinfonia Concertante In E Flat Major For Flute, Oboe, Horn And Bassoon, K 297B* and *Piano Concerto No 20 In D Minor, K 466* – **William Bennett** (flute), **Neil Black** (oboe), **Robin O'Neill** (bassoon), **Frank Lloyd** (horn), **Mitsuko Uchida** (piano) with the **English Chamber Orchestra** conducted by **George Cleve Wed 11th 1830.**

On the Last Night you can hear soprano **Gwyneth Jones** and harpist **Sidonie Goossens** with the **BBC Singers, Symphony Chorus, Symphony Orchestra** and conductor **Andrew Davis**. The programme is: *Cockatgne Overture* (Elgar); *Toward The Unknown Region* (Vaughan Williams); *The Walk To The Paradise Garden* (Delius); *Brunnhilde's Immolation Scene From Gotterdammerung* (Wagner);



March from Things To Come (Bliss); *Polovtsian Dances From Prince Igor* (Borodin); *The Last Rose Of Summer* (trad. arr. Goossens); *Pomp And Circumstance March No 1* (Elgar); *Fantasia on British Sea Songs* (Henry Wood); *Rule, Britannia!* (Arne); and *Jerusalem* (Parry, orch. Elgar) **Sat 14th 1830.**

From The Proms

(7 x 45 min)

Recorded highlights from the Proms: Beethoven's *Symphony No 7 In A Major* played by the **BBC Scottish Symphony Orchestra** conducted by **Jerzy Maksymiuk 1st**; and Bartok's *Concerto For Orchestra* with the **BBC Philharmonic** conducted by **Yan Pascal Tortelier.**

● **Suns until 8th 1515 rep Tues 0815, 2315**

Playing From The Heart

(1 x 45 min)

A musical dynasty was founded in 1845 when the Belgian Eugene Goossens moved to England.

His grand-daughters Marie and Sidonie, now in their nineties, look back to the start of the dynasty with the help of archive recordings of their brothers, the oboist Leon and the conductor and composer Eugene.

We are also allowed to eaves-drop on the master-classes still held by Sidonie at the Guildhall School of Music.

The family worked with all the great names of the early 20th century music scene, including the composers Sir Edward Elgar and Sir William Walton, and the conductors Sir Henry Wood and Sir Thomas Beecham, and they have many anecdotes to tell about their encounters with these musical giants.

Although the Goossens name will soon die out – there are no male Goossens to maintain the line – music is far from dead in the family. Marie's son Tony Laurence is a jazz pianist and every female addition to the family is given a harp by Grandmother Marie. So Tony and his family have every intention of carrying the musical tradition ever forwards. The programme is produced by Piers Powright.
● **Mon 9th 0101 rep 1515**



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DAY TO DAY

Special programmes for ■ AFRICA ▲ ASIA ● THE CARIBBEAN ◆ THE FALKLANDS

SATURDAY

September 7 14 21 28

- 0000 **Newsdesk**
30 From The Weeklies
45 Recording Of The Week
- 0100 **World News**
05 Outlook
30 Short Story (ex Aug 31st Seeing Stars)
45 Here's Humph! (ex 28th Jazz Now And Then)
▲ 45 South Asia Survey
- 0200 **Newsdesk**
30 People And Politics
- 0300 **World News**
09 News About Britain
15 The World Today
30 The Vintage Chart Show
■ 30 African News
■ 35 Saturdays Only
- 0400 **Newsdesk**
30 Here's Humph! (ex 28th Jazz Now And Then)
■ 30 Spice Taxi
45 Worldbrief
- 0500 **World News**
09 Twenty-Four Hours
30 World Business Report
■ 30 African News
■ 35 Saturdays Only
40 Words Of Faith
45 The World Today
- 0600 **Newsdesk**
30 Meridian
■ 30 African News
■ 35 Saturdays Only
- 0700 **World News**
09 Twenty-Four Hours
30 From The Weeklies
■ 30 African News
■ 35 Saturdays Only
45 English Songsmiths
- 0800 **World News**
09 Words Of Faith
15 A Jolly Good Show
- 0900 **World News**
05 Waveguide
15 Worldbrief
30 Personal View
45 Sports Roundup
- 1000 **News Summary followed by**
Here's Humph! (ex 28th Jazz Now And Then)
15 Letter From America
30 People And Politics
- 1100 **Newsdesk**
30 Meridian
- 1200 **World News**
09 News About Britain
15 Multitrack 3
45 Sports Roundup
- 1300 **Newshour**
- 1400 **News Summary followed by**
Sportsworld
- 1500 **World News**
■ 00 Spice Taxi
15 Sportsworld contd
- 1600 **World News**
09 News About Britain
15 Sportsworld contd
- 1700 **News Summary followed by**
Personal View
■ 00 World News
■ 09 African News
■ 15 Spice Taxi
15 John Peel
45 Sports Roundup
- 1800 **Newsdesk**

- 30 Proms 91; from 21st From Our Own Correspondent
■ 30 Spice Taxi
50 Proms 91 contd; from 21st Write On...
- 1900 **News Summary (ex 7th; 14th Proms 91 contd)**
01 Proms 91 contd; 21st Whaling; 28th The Sea, The Sea
45 From The Weeklies (ex 14th Proms 91 contd)
- 2000 **World News (ex 14th Proms 91 contd)**
09 Personal View (ex 14th Proms 91 contd)
25 Words Of Faith (ex 14th Proms 91 contd)
30 Meridian (ex 14th Proms 91 contd)
- 2100 **Newshour**
- 2200 **World News**
05 Short Story (ex Aug 31st Seeing Stars)
20 Jazz For The Asking
50 Sports Roundup
- 2300 **World News**
05 Words Of Faith
10 Book Choice
15 A Jolly Good Show

- 1000 **News Summary followed by**
Science In Action
30 In Praise Of God
- 1100 **Newsdesk**
30 The Ken Bruce Show (ex 1st Play Of The Week: A Man With Connections)
- 1200 **News Summary (ex 1st) followed by Play Of The Week:**
1st A Man With Connections contd; 8th How I Got That Story; 15th, 22nd Brave New World; 29th Here Is Monster
- 1300 **Newshour**
- 1400 **News Summary followed by It's**
God's World
- 1500 **World News**
■ 30 Against The Tide
15 From The Proms; from 15th Concert Hall
- 1600 **World News**
09 News About Britain
15 It's The Law! (ex 29th Something To Die For)
45 Letter From America
- 1700 **World News**
■ 00 World News
05 World Business Review
■ 09 African News
15 In Praise Of God
■ 15 Against The Tide
45 Sports Roundup
- 1800 **Newsdesk**
30 The Ken Bruce Show (ex 1st Play Of The Week: A Man With Connections)
■ 30 Postmark Africa
- 1900 **News Summary (ex 1st) followed by Play Of The Week:**
1st A Man With Connections contd; 8th How I Got That Story; 15th, 22nd Brave New World; 29th Here Is Monster
- 2000 **World News**
09 1st, 15th, 29th Folk In Britain; 8th, 22nd Jazz Now And Then
25 Words Of Faith
30 Slightly Foxed (ex 22nd, 29th)
- 2100 **Newshour**
- 2200 **World News**
05 Music With Matthew
50 Sports Roundup
- 2300 **World News**
05 World Business Review
15 Letter From America
30 It's God's World

- 30 Off The Shelf
■ 30 Focus On Africa
45 Andy Kershaw's World Of Music
- 0500 **World News**
09 Twenty-Four Hours
30 Waveguide
■ 30 African News
■ 35 Network Africa
40 Words Of Faith
45 Recording Of The Week
- 0600 **Newsdesk**
30 It's God's World
■ 30 African News
■ 35 Network Africa
- 0700 **World News**
09 Twenty-Four Hours
30 It's The Law! (ex 30th Something To Die For)
■ 30 African News
■ 35 Network Africa
- 0800 **World News**
09 Words Of Faith
15 Health Matters
30 Anything Goes
- 0900 **World News**
09 World Business Report
15 Letter From...; from 23rd Mastering Photography
30 Andy Kershaw's World Of Music
45 Sports Roundup
- 1000 **News Summary followed by It's**
God's World
30 The Vintage Chart Show
- 1100 **Newsdesk**
30 Composer Of The Month
- 1200 **World News**
09 News About Britain
15 Slightly Foxed (ex 23rd, 30th)
45 Sports Roundup
- 1300 **Newshour**
- 1400 **World News**
▲ 00 Special Programmes For Asia inc Dateline East Asia
05 Outlook
30 Off The Shelf
45 Journey To The Centre Of The Earth
- 1500 **World News**
15 2nd Desert Island Discs; 9th Playing From The Heart; 16th The Long, Dark Journey Back; 23rd Whaling; 30th The Sea, The Sea
■ 15 Focus On Africa
- 1600 **World News**
09 News About Britain
15 New Ideas
35 Tales Of Earth And Water (ex 2nd Lines Of Communication)
45 The World Today
- 1700 **World News**
▲ 00 South Asia Survey
05 World Business Report
■ 05 Focus On Africa
15 The Litmus Test
■ 40 African News
45 Sports Roundup
- 1800 **Newsdesk**
30 Multitrack 1: Top 20
■ 30 Focus On Africa
■ 55 African News
- 1900 **World News**
05 Outlook
30 Journey To The Centre Of The Earth
45 Health Matters
- 2000 **World News**
09 The World Today
25 Words Of Faith
30 The Vintage Chart Show
- 2100 **Newshour**
● 15 Caribbean Report
- 2200 **World News**

SUNDAY

September 1 8 15 22 29

- 0000 **Newsdesk**
30 The Ken Bruce Show (ex 1st Play Of The Week: A Man With Connections)
- 0100 **News Summary (ex 1st) followed by Play Of The Week:**
1st A Man With Connections contd; 8th How I Got That Story; 15th, 22nd Brave New World; 29th Here Is Monster
- 0200 **Newsdesk**
30 It's The Law! (ex 29th Something To Die For)
- 0300 **World News**
09 News About Britain
15 Recording Of The Week
30 From Our Own Correspondent
■ 30 African News
■ 35 Postmark Africa
50 Write On...
- 0400 **Newsdesk**
30 'B' Side Beat
■ 30 Against The Tide
45 Letter From...; from 22nd Mastering Photography
- 0500 **World News**
09 Twenty-Four Hours
30 World Business Review
■ 30 African News
■ 35 Postmark Africa
40 Words Of Faith
45 Letter From America
- 0600 **Newsdesk**
30 Jazz For The Asking
■ 30 African News
■ 35 Postmark Africa
- 0700 **World News**
09 Twenty-Four Hours
30 From Our Own Correspondent
■ 30 Against The Tide
50 Write On...
- 0800 **World News**
09 Words Of Faith
15 Music With Matthew
- 0900 **World News**
05 World Business Review
15 Short Story (ex 1st Seeing Stars)
30 'B' Side Beat (ex 1st Sports Roundup)
45 Sports Roundup

- 1800 **Newsdesk**
30 The Ken Bruce Show (ex 1st Play Of The Week: A Man With Connections)
■ 30 Postmark Africa
- 1900 **News Summary (ex 1st) followed by Play Of The Week:**
1st A Man With Connections contd; 8th How I Got That Story; 15th, 22nd Brave New World; 29th Here Is Monster
- 2000 **World News**
09 1st, 15th, 29th Folk In Britain; 8th, 22nd Jazz Now And Then
25 Words Of Faith
30 Slightly Foxed (ex 22nd, 29th)
- 2100 **Newshour**
- 2200 **World News**
05 Music With Matthew
50 Sports Roundup
- 2300 **World News**
05 World Business Review
15 Letter From America
30 It's God's World

- 1000 **News Summary followed by It's**
God's World
30 The Vintage Chart Show
- 1100 **Newsdesk**
30 Composer Of The Month
- 1200 **World News**
09 News About Britain
15 Slightly Foxed (ex 23rd, 30th)
45 Sports Roundup
- 1300 **Newshour**
- 1400 **World News**
▲ 00 Special Programmes For Asia inc Dateline East Asia
05 Outlook
30 Off The Shelf
45 Journey To The Centre Of The Earth
- 1500 **World News**
15 2nd Desert Island Discs; 9th Playing From The Heart; 16th The Long, Dark Journey Back; 23rd Whaling; 30th The Sea, The Sea
■ 15 Focus On Africa
- 1600 **World News**
09 News About Britain
15 New Ideas
35 Tales Of Earth And Water (ex 2nd Lines Of Communication)
45 The World Today
- 1700 **World News**
▲ 00 South Asia Survey
05 World Business Report
■ 05 Focus On Africa
15 The Litmus Test
■ 40 African News
45 Sports Roundup
- 1800 **Newsdesk**
30 Multitrack 1: Top 20
■ 30 Focus On Africa
■ 55 African News
- 1900 **World News**
05 Outlook
30 Journey To The Centre Of The Earth
45 Health Matters
- 2000 **World News**
09 The World Today
25 Words Of Faith
30 The Vintage Chart Show
- 2100 **Newshour**
● 15 Caribbean Report
- 2200 **World News**

MONDAY

September 2 9 16 23 30

- 0000 **Newsdesk**
30 In Praise Of God
- 0100 **News Summary followed by 2nd**
Desert Island Discs; 9th Playing From The Heart; 16th The Long, Dark Journey Back; 23rd Whaling; 30th The Sea, The Sea
45 English Songsmiths
- 0200 **Newsdesk**
30 Composer Of The Month
- 0300 **World News**
09 News About Britain
15 Good Books (ex 30th Sports Roundup)
30 Anything Goes
■ 30 African News
■ 35 Network Africa
- 0400 **Newsdesk**

- 1700 **World News**
▲ 00 South Asia Survey
05 World Business Report
■ 05 Focus On Africa
15 The Litmus Test
■ 40 African News
45 Sports Roundup
- 1800 **Newsdesk**
30 Multitrack 1: Top 20
■ 30 Focus On Africa
■ 55 African News
- 1900 **World News**
05 Outlook
30 Journey To The Centre Of The Earth
45 Health Matters
- 2000 **World News**
09 The World Today
25 Words Of Faith
30 The Vintage Chart Show
- 2100 **Newshour**
● 15 Caribbean Report
- 2200 **World News**

DAY TO DAY

- 05 Europe's World (ex 30th The Learning World)
- 20 Sports International (ex 30th Rock Salad)
- 50 Sports Roundup
- 2300 World News**
- 05 World Business Report
- 15 Science Or Fiction?
- 30 Multitrack 1: Top 20

TUESDAY

September 3 10 17 24

- 0000 Newsdesk**
- 30 The Litmus Test
- 0100 World News**
- 05 Outlook
- 30 3rd, 17th Folk In Britain; 10th, 24th Jazz Now And Then
- 45 Health Matters
- ▲ 45 South Asia Survey
- 0200 Newsdesk**
- 30 Sports International
- 0300 World News**
- 09 News About Britain
- 15 The World Today
- 30 John Peel
- 30 African News
- 35 Network Africa
- 0400 Newsdesk**
- 30 Off The Shelf
- 30 Focus On Africa
- 45 Europe's World

- 0500 World News**
- 09 Twenty-Four Hours
- 30 World Business Report
- 30 African News
- 35 Network Africa
- 40 Words Of Faith
- 45 The World Today

- 0600 Newsdesk**
- 30 Rock Salad (ex 3rd All Time Swing)
- 30 African News
- 35 Network Africa

- 0700 World News**
- 09 Twenty-Four Hours
- 30 New Ideas
- 30 African News
- 35 Network Africa
- 50 Tales Of Earth And Water (ex 3rd Lines Of Communication)

- 0800 World News**
- 09 Words Of Faith
- 15 From The Proms; from 17th Concert Hall

- 0900 World News**
- 09 World Business Report
- 15 Journey To The Centre Of The Earth
- 30 Europe's World
- 45 Sports Roundup

- 1000 News Summary followed by**
- Discovery
- 30 Sports International

- 1100 Newsdesk**
- 30 Megamix

- 1200 World News**
- 09 News About Britain
- 15 Multitrack 1: Top 20
- 45 Sports Roundup

- 1300 Newshour**

- 1400 World News**
- ▲ 00 Special Programmes For Asia inc Dateline East Asia
- 05 Outlook
- 30 Off The Shelf
- 45 English Songsmiths

- 1500 World News**
- 15 A Jolly Good Show
- 15 Focus On Africa

- 1600 World News**
- 09 News About Britain
- 15 Megamix

- 45 The World Today
- 1700 World News**
- ▲ 00 South Asia Survey
- 05 World Business Report
- 05 Focus On Africa
- 15 Composer Of The Month
- 40 African News
- 45 Sports Roundup

- 1800 Newsdesk**
- 30 Discovery
- 30 Focus On Africa
- 55 African News

- 1900 World News**
- 05 Outlook
- 30 Development '91

- 2000 World News**
- 09 The World Today
- 25 Words Of Faith
- 30 Meridian

- 2100 Newshour**
- 15 Caribbean Report
- ◆ 30 Calling The Falklands

- 2200 World News**
- 05 Journey To The Centre Of The Earth
- 20 Megamix
- 50 Sports Roundup

- 2300 World News**
- 05 World Business Report
- 15 From The Proms; from 17th Concert Hall

WEDNESDAY

September 4 11 18 25

- 0000 Newsdesk**
- 30 Omnibus

- 0100 World News**
- 05 Outlook
- 30 Bright Moon Of The Seasons (ex 4th Great Newspapers)
- 45 Country Style
- ▲ 45 South Asia Survey

- 0200 Newsdesk**
- 30 Development '91

- 0300 World News**
- 09 News About Britain
- 15 The World Today
- 30 Discovery
- 30 African News
- 35 Network Africa

- 0400 Newsdesk**
- 30 Off The Shelf
- 30 Focus On Africa
- 45 Country Style

- 0500 World News**
- 09 Twenty-Four Hours
- 30 World Business Report
- 30 African News
- 35 Network Africa
- 40 Words Of Faith
- 45 The World Today

- 0600 Newsdesk**
- 30 Meridian
- 30 African News
- 35 Network Africa

- 0700 World News**
- 09 Twenty-Four Hours
- 30 Development '91
- 30 African News
- 35 Network Africa

- 0800 World News**
- 09 Words Of Faith
- 15 Science Or Fiction?
- 30 The Litmus Test

- 0900 World News**
- 09 World Business Report
- 15 Country Style
- 30 Bright Moon Of The Seasons (ex 4th Great Newspapers)
- 45 Sports Roundup

- 1000 News Summary followed by**
- Omnibus

- 30 Jazz For The Asking
- 1100 Newsdesk**
- 30 Meridian

- 1200 World News**
- 09 News About Britain
- 15 New Ideas
- 35 Tales Of Earth And Water (ex 4th Lines Of Communication)
- 45 Sports Roundup

- 1300 Newshour**

- 1400 World News**
- ▲ 00 Special Programmes For Asia inc Dateline East Asia
- 05 Outlook
- 30 Off The Shelf
- 45 Good Books

- 1500 World News**
- 15 Science Or Fiction??
- 15 Focus On Africa
- 30 Girls Will Be Girls

- 1600 World News**
- 09 News About Britain
- 15 Rock Salad (ex 4th All Time Swing)
- 45 The World Today

- 1700 World News**
- ▲ 00 South Asia Survey
- 05 World Business Report
- 05 Focus On Africa
- 15 Bright Moon Of The Seasons (ex 4th Great Newspapers)

- 30 Andy Kershaw's World Of Music
- 40 African News
- 45 Sports Roundup

- 1800 Newsdesk**
- 30 Multitrack 2 (ex 11th Proms 91)
- 30 Focus On Africa
- 55 African News

- 1900 World News (ex 11th Proms 91 contd)**
- 05 Outlook (ex 11th Proms 91 contd)
- 30 Omnibus (ex 11th Proms 91 contd)

- 2000 World News**
- 09 The World Today
- 25 Words Of Faith
- 30 4th Leaders And Leadership; 11th Sportsworld; from 18th Assignment

- 2100 Newshour**
- 15 Caribbean Report

- 2200 World News**
- 05 From Our Own Correspondent
- 20 Rock Salad (ex 4th All Time Swing)
- 50 Sports Roundup

- 2300 World News**
- 05 World Business Report
- 15 Good Books
- 30 Multitrack 2

THURSDAY

September 5 12 19 26

- 0000 Newsdesk**
- 30 Girls Will Be Girls

- 0100 World News**
- 05 Outlook
- 30 Waveguide
- 40 Book Choice
- 45 The Farming World
- ▲ 45 South Asia Survey

- 0200 Newsdesk**
- 30 Assignment (ex 5th Leaders And Leadership)

- 0300 World News**
- 09 News About Britain
- 15 The World Today (ex 12th Sportsworld)
- 30 Slightly Foxed (ex 26th)
- 30 African News
- 35 Network Africa

- 0400 Newsdesk**
- 30 Off The Shelf

- 30 Focus On Africa
- 45 From Our Own Correspondent

- 0500 World News**
- 09 Twenty-Four Hours
- 30 World Business Report
- 30 African News
- 35 Network Africa
- 40 Words Of Faith
- 45 The World Today

- 0600 Newsdesk**
- 30 Omnibus
- 30 African News
- 35 Network Africa

- 0700 World News**
- 09 Twenty-Four Hours
- 30 Network UK
- 30 African News
- 35 Network Africa

- 0800 World News**
- 09 Words Of Faith
- 15 Good Books
- 30 John Peel

- 0900 World News**
- 09 World Business Report
- 15 From Our Own Correspondent
- 30 The Farming World
- 45 Sports Roundup

- 1000 News Summary followed by**
- Assignment (ex 5th Leaders And Leadership)
- 30 Girls Will Be Girls

- 1100 Newsdesk**
- 30 The Golden Apples Of The Sun

- 1200 World News**
- 09 News About Britain
- 15 Multitrack 2
- 45 Sports Roundup

- 1300 Newshour**

- 1400 World News**
- ▲ 00 Special Programmes For Asia inc Dateline East Asia
- 05 Outlook
- 30 Off The Shelf
- 45 Recording Of The Week

- 1500 World News**
- 15 Music With Matthew
- 15 Focus On Africa

- 1600 World News**
- 09 News About Britain
- 15 Network UK
- 45 The World Today

- 1700 World News**
- ▲ 00 South Asia Survey
- 05 World Business Report
- 05 Focus On Africa
- 15 The Golden Apples Of The Sun
- 40 African News
- 45 Sports Roundup

- 1800 Newsdesk**
- 30 Focus On Faith
- 30 Focus On Africa
- 55 African News

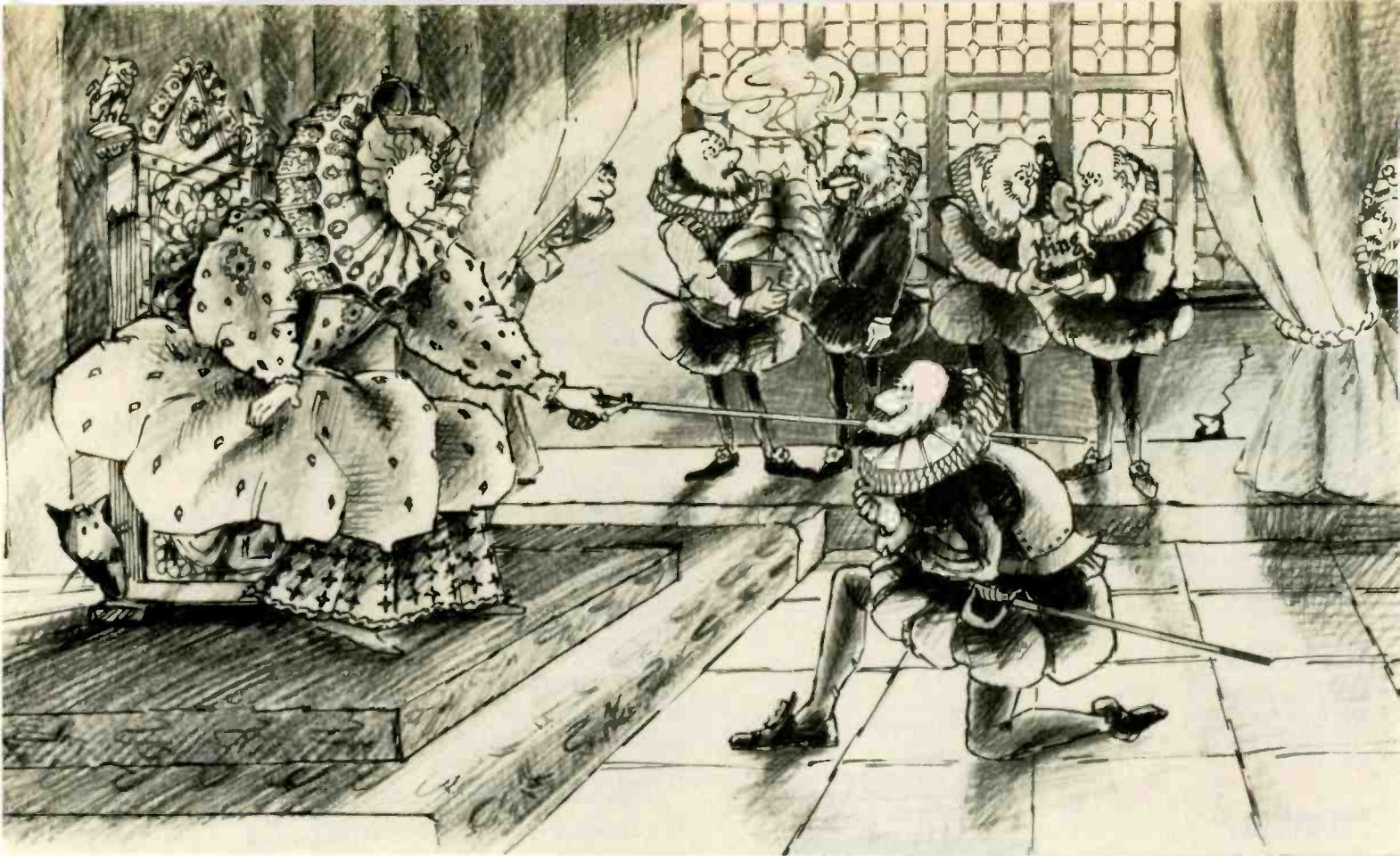
- 1900 World News (ex 5th Proms 91)**
- 05 Outlook (ex 5th Proms 91 contd)
- 30 Seven Seas (ex 5th Proms 91 contd)
- 45 The Farming World (ex 5th Proms 91 contd)

- 2000 World News (ex 5th Proms 91 contd)**
- 09 The World Today (ex 5th Proms 91 contd)
- 25 Words Of Faith
- 30 Meridian

- 2100 Newshour**
- 15 Caribbean Report

- 2200 World News**
- 05 Global Concerns
- 20 Network UK
- 50 Sports Roundup

- 2300 World News**
- 05 World Business Report
- 15 Music Review



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DAY TO DAY

FRIDAY
September 6 13 20 27

- 0000 **Newsdesk**
30 The Anatomy Of Jazz
- 0100 **World News**
05 Outlook
30 Seven Seas
45 Global Concerns
▲ 45 **South Asia Survey**
- 0200 **Newsdesk**
30 The Golden Apples Of The Sun
- 0300 **World News**
09 News About Britain
15 The World Today
30 Focus On Faith
■ 30 **African News**
■ 35 **Network Africa**
- 0400 **Newsdesk**
30 Off The Shelf
■ 30 **Focus On Africa**
45 6th, 20th Jazz Now And Then
13th, 27th Folk In Britain
- 0500 **World News**
09 Twenty-Four Hours
30 World Business Report
■ 30 **African News**
■ 35 **Network Africa**
40 Words Of Faith
45 The World Today
- 0600 **Newsdesk**
30 Meridian

- 30 **African News**
■ 35 **Network Africa**
- 0700 **World News**
09 Twenty-Four Hours
30 The Great Cathedrals Of Britain
■ 30 **African News**
■ 35 **Network Africa**
- 0800 **World News**
09 Words Of Faith
15 Music Review
- 0900 **World News**
09 World Business Report
15 Global Concerns
30 Seven Seas
45 Sports Roundup
- 1000 **News Summary followed by**
Focus On Faith
30 The Anatomy Of Jazz
- 1100 **Newsdesk**
30 Meridian
- 1200 **World News**
09 News About Britain
15 The Great Cathedrals Of Britain
45 Sports Roundup
- 1300 **Newsdesk**
- 1400 **World News**
▲ 00 **Special Programmes For Asia**
inc **Dateline East Asia**
05 Outlook
30 Off The Shelf
45 Letter From...; from 20th
Mastering Photography
- 1500 **World News**

- 15 Music Review
■ 15 **Focus On Africa**
- 1600 **World News**
09 News About Britain
15 Science In Action
45 The World Today
- 1700 **World News**
▲ 00 **South Asia Survey**
05 World Business Report
■ 05 **Focus On Africa**
15 The Anatomy Of Jazz
■ 40 **African News**
45 Sports Roundup
- 1800 **Newsdesk**
30 Multitrack 3
■ 30 **Focus On Africa**
■ 55 **African News**
- 1900 **World News**
05 Outlook
30 The Great Cathedrals Of Britain
- 2000 **World News**
09 The World Today
25 Words Of Faith
30 Science In Action
- 2100 **Newsdesk**
● 15 **Caribbean Report**
◆ 30 **Calling The Falklands**
- 2200 **World News**
05 'B' Side Beat
20 People And Politics
50 Sports Roundup
- 2300 **World News**
05 World Business Report
15 Worldbrief
30 Multitrack 3

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MONDAYS

- 0000 **As World Service In English**
- 0315 **As 0330 World Service In English**
- 0345 **News Magazine - In German**
- 0430 **Letter From America**
- 0445 **News Headlines In English & French**
- 0447 **British Press Review**
- 0452 **The Week Ahead: programme news**
- 0457 **Travel News; Weather**
- 0500 **As World Service In English**
- 0530 **News Magazine - in French**
- 0559 **Weather**
- 0600 **As World Service In English**
- 1030 **News Magazine - In French**
- 1045 **News Magazine - in German**
- 1059 **Weather**
- 1100 **As World Service In English**
- 1515 **BBC English: language lesson**
- 1530 **News Magazine - in German**
- 1600 **World and British News**
- 1615 **BBC English: language lesson**
- 1630 **News Magazine - In French**
- 1715 **The World Today**
- 1729 **News Summary - in English**
- 1730 **News and Features - In German**
- 1900 **As World Service In English**
- 1905 **World Business Report**
- 1915 **News Magazine - In French**
- 1930 **As World Service In English (to 0000)**

TUESDAYS-SUNDAYS
as Mondays except:

- 0335 **Write On ... Suns to 0345**
- 0430 **The World Today Tues-Sats**
Short Story/Seeing Stars **Suns to 0445**
- 0452 **World Business Report Tues-Sats;**
World Business Review Suns to 0457
- 1015 **Letterbox Sats to 1030**
- 1559 **Travel News Sats, Suns to 1600**
- 1715 **Letter From America Sats; Letterbox**
Suns to 1729
- 1905 **Write On ... Sats; World Business**
Review Suns to 1915
- 1930 **Letterbox Sats to 1945; In Praise Of**
God Suns to 2000

BBC FOR EUROPE programmes as listed are also broadcast in the Greater Berlin area on 90.2 MHz FM, with the following variations:

- 0430-0445 **BBC English: language lesson**
- 0445-1030 **As World Service In English**
- 1030-1045 **BBC English: language lesson**
- 1615-1715 **As World Service In English**
- 1130-1200 **As World Service In English**
- 1715-1730 **BBC English: language lesson**
- 1900-0000 **As World Service In English**

ALTERNATIVES

- **AFRICAN NEWS**
Mons-Fris: 0330, 0530, 0630, 0730, 1740, 1855; Sats: 0330, 0530, 0630, 0730 1709; Suns: 0330, 0530, 0630, 1709,
- **AGAINST THE TIDE**
A seven-part series on people who have struggled to make their mark.
● **Suns 0430 rep 0730, 1500, 1715**
- **FOCUS ON AFRICA**
If you want the latest on the day's events in Africa then *Focus on Africa* is essential listening. It brings you up-to-the-minute reports from all over the continent.
● **Mons-Fris 0430, 1515, 1705, 1830**
- **NETWORK AFRICA**
Winner of a Sony Radio Award this year for Best Breakfast Show, with Hilton Fyle and the *Network* team, packed with news, sports, personalities, music and listeners' comments.
● **Mons-Fris 0335, 0535, 0635, 0735**

- **POSTMARK AFRICA**
An expert answer to any question under the sun - send your questions to *Postmark Africa*, BBC African Service, London WC2 4PH.
● **Suns 0335 rep 0535, 0635, 1830**
- **SATURDAYS ONLY**
The *Focus* team with their special Saturday show - interviews with leading politicians, discussions of recent events and, once a month, an entertaining quiz.
● **Sats 0335 rep 0535, 0635, 0735**
- **SPICE TAXI**
A sideways look at African culture, covering everything from presidential style to cult films.
● **Sats 0430 rep 1500, 1715, 1830**
- ▲ **DATELINE EAST ASIA**
A magazine programme dealing with the political and economic affairs of South-east and North-east Asia.
● **Mons-Fris 1400**

- ▲ **SPECIAL PROGRAMMES FOR ASIA**
After *Dateline East Asia*, two 15-minute teaching English programmes and a 15-minute "slow speed" bulletin of world news.
● **Mons-Fris 1400**
- ▲ **SOUTH ASIA SURVEY**
With five editions a week, *South Asia Survey* offers in-depth analysis of political and other developments in the region.
● **Mons-Fris 1700 rep Tues-Sats 0145**
- **CARIBBEAN REPORT**
Weekday coverage of Caribbean affairs in Britain, the EC and the Caribbean region, with emphasis on political and economic analysis.
● **Mons-Fris 2115**
- ◆ **CALLING THE FALKLANDS**
News, current affairs and features of particular concern to the Islanders.
● **Tues, Fris 2130**

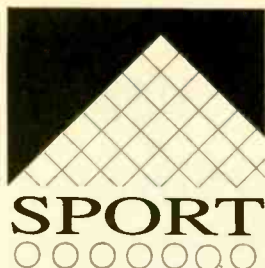
WOMEN'S WEEK

Women's Week for African Service programmes in English, Hausa, Somali and Swahili begins on **Sunday 8th** (writes Dorothy Grenfell Williams).

More male Africans listen to us than females. And yet we think we have got just as much to offer women as men. So *Women's Week* is a challenge. If you are one of our regular African listeners and you know one woman who has not tried us yet, why don't you suggest that she tunes in during *Women's Week*.

Women from all over Africa will be at the microphone airing their views, telling stories, introducing programmes, conducting interviews and reporting on current affairs. If you are an African woman and have an idea for *Women's Week*, or want to contribute to our programmes let us know. Write to Dorothy Grenfell Williams, Head of the African Service, BBC Bush House, PO Box 76, London.





SEPTEMBER

EUROPE SQUARES UP TO DEFEND RYDER CUP

America hosts the match this year at a new and controversial venue - Kiawah. The home team might be favourites but the Europeans are in confident mood, says RENTON LAIDLAW, Golfing Correspondent of the London *Evening Standard*.



Payne Stewart looks set for a place in the US team after beating Scott Simpson in a play-off to win the US Open.

ALTHOUGH the Ryder Cup match played every second year features only players from the American and European circuits, it has a worldwide significance and interest.

The boost world golf has received from recent European successes in a match that was for so long one-sided is evident in the interest shown in televising the three-day competition around the world.

The match was first played in 1927, for a trophy presented to the British PGA for biennial competition between the British and the Americans by seedsman and St Albans Mayor Samuel Ryder. It is now closely contested. The dominance the Americans enjoyed for more than 50 years has been broken by golfers of the calibre of Severiano Ballesteros, Nick Faldo and Ian Woosnam, all of whom have earned number one position in the Sony rankings in recent years.

The British won two of the first four matches in those days when the visiting team usually had to cope with the after-effects of the long sea voyage across the Atlantic. But from 1935 until 1983, when the Europeans lost by a single point

at Palm Beach Gardens, the British won only once.

That lone victory occurred in 1957, when a team captained by the late Dai Rees won 7½-4½ at Lindrick in Yorkshire. Tony Jacklin, who would later win the Open in 1969 and the US Open in 1970, was at that match and the victory made him even more certain that he wanted to be a professional golfer.

In later years he would become the most successful Ryder Cup captain, leading his side to victories in 1985 at The Belfry, for the first time on American soil at Muirfield Village in Ohio in 1987 and inspiring his side to a drawn match again at The Belfry in 1989, a result which allowed the Europeans to retain the Cup.

Continental golfers had been admitted to the match in 1979, two years after the fixture had almost died. In 1977 a severely reduced format at Lytham St Anne's had been such a failure and the result so inevitable that despite the brilliant debut of Nick Faldo (who beat Tom Watson) and the gutsy performance of Bernard Gallacher, who gained a point from Jack Nicklaus, the fixture had reached a crisis.

That year Nicklaus, a firm believer in the match, approached Lord Derby, the President



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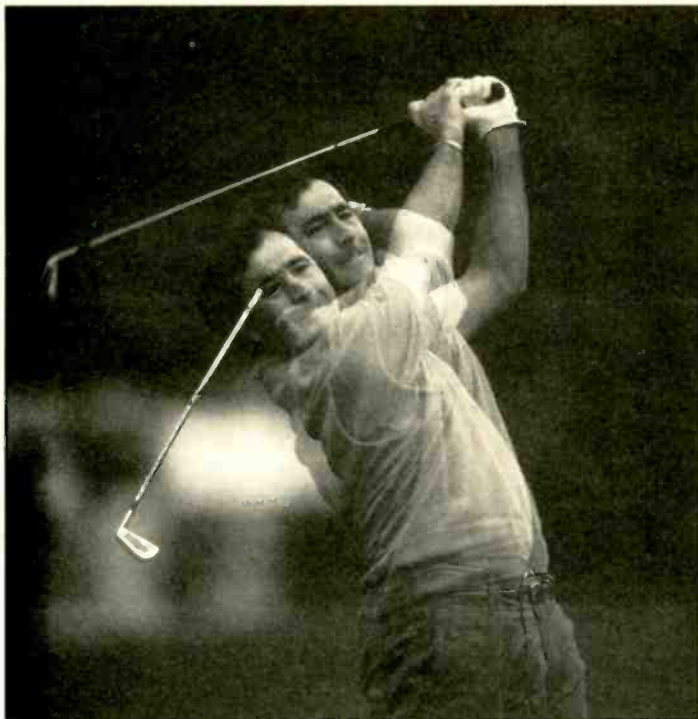
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Seve Ballesteros: inspirational.

of the British PGA, with the suggestion that Continentals (and especially the swashbuckling newcomer from Spain Seve Ballesteros) be included to bolster the side against the strength of the American opposition.

Seve duly made his debut along with fellow-Spaniard Antonio Garrido in 1979 at The Greenbrier, West Virginia but the result was still a victory for America. In 1981 at Walton Heath the Europeans were ahead after the first day, but the eventual result was a triumph for what arguably was the strongest US side ever fielded in the match, including as it did Nicklaus, Lee Trevino, Johnnie Miller, Ray Floyd, Tom Watson, Hale Irwin and Tom Kite.

In 1983 Tony Jacklin took over the captaincy from Jon Jacobs and Seve Ballesteros was restored to the side, having been surprisingly dropped in 1981 because of his early-season absence from the European scene on the principle of appearance money. Yet the Europeans lost by just one point.

Jack Nicklaus captained the Americans that year and had to wait anxiously until the last singles game on the final day to get the point from Tom Watson needed to let America win the match.

Watson edged out European Cup stalwart Bernard Gallacher 2 and 1. The 41-year-old Scot is now the European captain, with the unenviable task of leading Europe in the two four-ball series, two foursomes series and one singles series that comprise the match from September 27th to 29th at Kiawah Island in

South Carolina.

The course, designed by Pete Dye, is a controversial choice. At the beginning of the year it was only half-finished. PGA of America officials are confident that it will provide a stiff test and are keeping their fingers crossed that hurricanes expected on that section of coast at the time of the year do not materialise.

The Ocean course at Kiawah might be beside the sea and players might have to play old-fashioned chip and run shots (virtually obsolete on American courses but not in Europe, so supposedly favouring the visitors this time) but it is inland in design.

Considering the tight schedule to get the course ready the PGA of America has been criticised for taking the event to this venue, a Landmark Development, but commercial reasons are behind the move.

Officials remain confident that all will go well. Bernard Gallacher shares his feelings as his European Ryder Cup side sets out to defend the exquisite gold trophy.

Gallacher is fortunate in retaining the basis of the team that did so magnificently in the past four matches under Jacklin. Seve Ballesteros, happily back in form, is always an inspirational figure in the side and with Jose Maria Olazabal, Ian Woosnam and Nick Faldo, Bernard Langer and hopefully Sandy Lyle providing a strong base on which to build, Europe's side will not go into the match as under-dogs.

Gallacher is giving away no secrets but he is unlikely to maintain the partnerships of Ballesteros and Olazabal and of Woosnam and Faldo, preferring to split his strength with some of the newer fellows such as Steven Richardson, who in his second year won two early-season titles on the Volvo Tour with ease.

Larry Wadkins, Paul Azinger, Hale Irwin, Fred Couples and Corey Pavin are sure to be in the American team but none of them strike terror into any member of the European side.

US captain Dave Stockton

might call up two members of the over-50s brigade, Jack Nicklaus and Lee Trevino, in his bid to win the Cup back. "It is always going to be close these days," he says. "Such is the improvement in European golf that the games are unlikely ever to be one-sided again."

With the Americans 21-5 up on match victories (two games have been tied) and the advantage of home ground, the US could be said to start favourites but Gallacher and his men would be quick to disagree.

What is sure is that the Ryder Cup is the perfect showcase for the game of golf, a sporting spectacle which will enthral fans worldwide. There will be full reports in regular sports programmes **Fri 27th-Sun 29th**.

ATHLETICS: On the final day of the World Athletics championships in Tokyo you can hear an extended *Sports Roundup* **1st 0930-1000**.

FOOTBALL: The match that could determine the qualifier from Group Two of the European Championship is Switzerland v Scotland **11th**. Switzerland are a point ahead but Scotland have a game in hand. Commentary on this exciting decider can be heard in *Sportsworld* **2030-2100 rep 12th 0315**. There are also highlights of the England v Germany friendly at Wembley.

An extra edition of *Sports Roundup* can be heard at 0315 daily from Monday 30th and a new-look sports magazine programme takes to the air at 2220 on Wednesdays from October 2nd. Full details next month.

OTHER SPORTS featured in regular programmes:

- until 8th** **Tennis** The US Open, Flushing Meadow
- 5th-8th** **Golf** European Masters, Crans Sur Siere
- 7th** **Cricket** Nat West Bank Cup Final, Lords
- 7th-15th** **Hockey** Champions Trophy, Berlin
- 7th** **Rugby Union** England v USSR, Twickenham
Scotland v Barbarians, Murrayfield
- 8th** **Motor Racing** Italian Grand Prix, Monza
- 8th** **Athletics** IAAF Grand Prix, Berlin
- 10th** **Athletics** Grand Prix, Brussels
- 14th** **Racing** St Leger, Doncaster
- 15th** **Motorcycling** Brazilian Grand Prix, Sao Paulo
- 17th-20th** **Cricket** Britannic Assurance Championship final matches
- 18th** **Football** European Cups, 1st rounds, 1st legs
- 20th** **Athletics** Grand Prix finals, Barcelona
- 20th-Oct 1st** Pan African Games
- 20th-22nd** **Tennis** Davis Cup world group semi-finals
US v Germany; France v Yugoslavia
- 22nd** **Motor Racing** Portuguese Grand Prix, Estoril
- 25th-29th** **Cycling** Tour of Ireland
- 28th** **Racing** Festival of British racing
- 29th** **Motor Racing** Spanish Grand Prix, Barcelona

▲▲ **BACK TO BASICS** ▼▼

③ By GARY STEVENS

Frequencies by night and day
Particles in the ionosphere, as we noted last month, are charged by energy from the sun. Just as the sun's activity varies according to the time of day, the time of year and an 11-year sunspot cycle, so too the ionosphere is in a constant state of change.

During the night the D layer (50-70 kilometres above the Earth's surface) tends to disappear. Broadcasters can expect lower frequencies to reach the F

layer (about 200km up) and to be reflected to their target.
As the sun's activity increases during the daytime, the D layer becomes stronger and absorbs more of the lower frequencies. Broadcasters compensate by moving up the frequency spectrum.
Broadly speaking, you can expect BBC World Service to transmit at lower frequencies during the night and in winter; and at higher frequencies during the day and in summer.
SID stands for Sudden Ionospheric Disturbance. SIDs are caused by

charged particles which come off the sun as flares, dramatically changing the behaviour of the layers within the ionosphere. They are unpredictable and might last for a few hours or a few days.
So far we have concentrated on short wave transmissions. BBC World Service makes use of four SW transmitter stations in the United Kingdom but SW is not the only way to hear its international broadcasts.
London Calling's frequency charts include medium wave, long wave and VHF-FM frequencies on which the

service can be heard in various parts of the world. But in some areas World Service programmes can be heard on satellite audio channels - C-Span in the USA, for example. Details of Eutelsat, which carries World Service in Europe, can be found on page 24.
Many radio stations throughout the world rebroadcast World Service programmes as part of their own schedules. They usually take a satellite feed of World Service and broadcast it simultaneously on their own network.
Next month: *Choosing a radio set*

THE ANATOMY OF JAZZ



ON THE RACE TRACK

JAZZ, while not necessarily to be enjoyed, was widely regarded as a social asset at university. Armed with a Roland Kirk album, I remember inviting a number of acquaintances to my room for coffee and, after a suitable build-up – “You must hear this one...!” – putting stylus to disc.

The company showed every sign of enjoying the multi-instrumentalist’s offering, nodding heads, tapping feet, all but clicking fingers. They listened to both sides. Several wanted to borrow it. One person did point out that the record seemed rather short. It was only after they had departed that I realised I had played the whole

Broadcaster, musician and writer STEVE RACE presents a new series which probes beneath the surface of jazz. Steve Weinman meets the man with the ear for music...

album at single speed – 45rpm.

As it happens I went on to develop a taste for modern jazz, but as a non-musician I realise I have only a superficial understanding of what I hear. I suspect I am not alone – I like the *idea* of jazz, the tones of the instruments, the rhythms, the harmonies, jazz clubs, even the record covers. But I can never be sure why the musicians choose to play what they do, what makes one solo special and another poor.

Steve Race is a man who in his 70 years has never entertained such doubts. An accomplished musician with a natural “ear”, he is also a broadcaster and writer with a mission to explain.

This year, his 50th as a broadcaster, he presents his new series of five half-hour programmes *The Anatomy Of Jazz*, which should help people like me to understand what goes on under the surface of the music.

Steve Race did not come from a musical family. However, his solicitor father had as a child shown a prodigious facility for mental arithmetic, entertaining adults by multiplying five-figure numbers in his head. “Between mathematics and music there is a strong correlation,” says Race. “Bach is the best example. I think in my case it has come out in music. Oddly enough, I’m almost innumerate.”

He can remember playing the piano at the age of four and wishing he could reach the pedals. “I’ve always had a good musical ear – I don’t take credit for that, it’s a gift. As long as I’ve known the names of the notes I’ve known which is C sharp and which G flat.

“To hear music is to see it for me. Sometimes it can be a bit of a curse. I can’t have a quiet candlelit dinner without knowing that the music

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Elizabeth Castle, Le Mont de la Ville and Old Harbour from Les Mielles, 1764. Dominique Serres (1722-1793). By courtesy of the Jersey Museums Service.

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in the background was published in 1939 by Chappell & Co and is played in F minor!"

Can he *imagine* being tone deaf? "My hobby is old master paintings. I don't know what they have done to achieve those results and I don't want to know... all I know is that a painting is beautiful and it thrills me. There are many times when I would like to be as innocent about music as I am about other things."

Race took piano lessons from the age of five. "When I was seven or eight I was taken to the local amateur operatic society's production of a show called *The Arcadians*. I loved it, went home and played quite a large part of the score from memory. I discovered a generation later, when I got hold of the score, that I was playing in the right keys. I learnt everything by ear, then learnt to read."

Music was not on the curriculum at school but he is grateful to the teacher who nurtured his love of English. "Words were my hobby, now they are my business."

His musical education was extended when his mother, by then widowed, sent him to the Royal Academy of Music. There he was heavily influenced by a musical all-rounder named Frederic Jackson.

Other influences were jazzmen like Red Nichols and most of all that "absolute jewel", cornet player Bix Beiderbecke. "In 1991 you can still put on a record by Bix, who died in 1931, and immediately be touched."

Later artists with a special place in the Race jazz pantheon were Coleman Hawkins, Art Tatum, Miles Davis, Charlie Parker and Oscar Peterson.

While at the RAM it was classics by day, jazz by night. Race started playing in night-clubs at 16, "terrible dumps and dives. The first respectable band I got into was Harry Leader's."

From 1941 to 1946 Race fought the war in the RAF. "Unlike so many of my friends I came back." He did so as a versatile, in-demand freelance – musician, broadcaster and writer.

"Musician" meant pianist, arranger, composer and conductor. He worked with noted British bandleaders of the time: Ted Heath, Lew Stone, Cyril Stapleton, Sydney Lipton. But was it jazz? "What one did in those days was to try to sneak in as much jazz as possible. The division that the public made and still makes is not possible for most professional musicians – they can starve or play popular music with some jazz thrown in."

Steve Race's broadcasting career had begun in 1941, when at the height of the Blitz he found himself at London's Criterion Theatre taking part in a show called *West Indian Party*.

This Empire Service (as World Service then was) broadcast to the Caribbean was intended to show that all was well on the home front.

"Unfortunately my route to the studio that night took me past the Café de Paris, which had just been bombed," recalls Race. "Ken Johnson, the famous West Indian bandleader, and sixty dancers had been killed. I went past when all this was happening, then had to go to broadcast this happy-go-lucky, London-swinging programme. I've never been really nervous in a broadcast since – it was a baptism of fire."

Race holds strong opinions and it was the desire to express them that led him to combine broadcasting and writing with music. "I get a bit out of patience with broadcasters who never tell you what they think. They say: 'Here's another great record...' but never say whether one is better than another. They must have views. I have never shied from giving mine. Sometimes perhaps I ought to have done."

He was already writing about jazz for the music papers when he "slid" into presenting jazz programmes on the radio. "Then I got round to a record: 'This is a better record than the last one he made' or 'Whoops, that didn't go too well, did it?'" In this he differed from many of his contemporaries, as he did by travelling extensively in the USA, tracing jazz to its roots.

This rich combination of jazz, enthusiasms and opinions were to lead to a varied career. Race was already well-known on radio when he joined the infant commercial television in the '50s. His face was soon as familiar as his voice.

He has numerous compositions to his credit, has written six books, including an autobiography, *Musician At Large*, and countless articles. He has introduced a wide range of radio and television shows, and not all associated with music – he has tackled programmes devoted to

He has continued to work hard but is easing off a little now to enjoy the fruits of his labours – music, paintings, old books, the good life. Married to a former BBC producer, he lives in the country and loves being in the open air, whatever the weather.

The Anatomy of Jazz was a long-cherished project. "There are two ways of listening to any kind of music – you can let it roll over you, or you can occasionally ask yourself: 'I wonder why that happened? I wonder why they changed key? I wonder why that man stopped playing and another one started? You might even ask why a man plays vibraphone rather than trombone, and has it made any difference to his jazz imagination?'"

"This is what I'm trying to cover – the nuts and bolts of a jazz performance. I know what goes on – all jazz musicians know what goes on but seldom get a chance to express it. I'm the lucky one."

Race is "in the groove" now, talking about a Louis Armstrong recording: "He plays a chorus and I defy anyone to know that it's *Basin Street Blues* he's playing unless you recognise the chords. I'm devoting quite a lot of the programme to explaining this business of chord sequences."

"Louis Armstrong began by improvising on a tune, and if the tune was particularly good he would go on doing that, but he moved on like all the other musicians to improvise over the chord sequence."

"Or take two pianists – Oscar Peterson and Count Basie, two of the greatest, very similar in period, repertoire and so on, but Oscar Peterson plays all the notes there are, Count Basie plays very few."

"One isn't good, the other bad, though some people will tell you they are – it's just different people reacting to their circumstances, environment and so on."

"Basie never had Peterson's technique, for a start, and Peterson always seemed to have this

extraordinary finger facility, which I think has now got him by the throat – he's playing too much piano. Basie, not being able to do that, decided to play to his strengths, and found these sparing phrases."

"I was checking a Peterson record the other day for the programme and he does the usual thing at the end, after all the storming choruses, of playing a final chord *tremolando*... I know why he does that – so that the audience will applaud. But there's another reason, that the piano is not a sustaining instrument. So the instrument is determining what he plays."

He describes how other responses might have been triggered by a flute or trombone. "For a musician all this is a practical matter. He doesn't say: 'I will now yield to my inspiration. He says: 'I am in the key of D flat, I am playing *Body And Soul* and these are the notes I'm going to play.'"

"In a way the least we can do for a really great musician is find out what he's trying to say to us and why he is saying it in that way."

Never forgetting, of course, to listen carefully and *always* to play that musician's recordings at the correct speed.

● *Fris from August 30th 0030 rep 1030, 1715*



everything from politics to gardening.

It is as chairman of *My Music*, the panel game featuring Frank Muir, Denis Norden, Ian Wallace and John Amis, that he is best known around the world. The show began in 1966 but the panel has changed only once, through death. "It is a show in which five elderly gentlemen chat about music; it isn't competitive."

He still enjoys *My Music* but his fondest regard is for those programmes he has made which have no connection with music. "I think people always want to do what they do second-best. My gift is music but I also love to get away from it." The past is a favourite retreat. *The Two Worlds Of Joseph Race* was a programme he made after discovering in an attic the diaries and letters of his grandfather, a Durham lead miner who became a minister and went to China.

And *Captain Pepper's Autograph Album* sprang from the purchase of a Victorian collection of signatures and pursuit of the various signatories.

There was a time in the mid-60s when the hectic career he had chosen overtook Steve Race. Jazz might be the music of smoky bars but he has been vehemently anti-smoking since a heart attack at 44 when, he says, he was working too hard, overweight and too fond of cigarettes.



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YOUR letters

Edited by Tilusha Vyas

ANY TIME!

P The *Newshour* times in Sri Lanka now are 6.30pm and 2.30am. When it was only once a day we heard it at 3.30am. The earlier time of 3.30am, though such a ghastly time to wake up to, has now become a habit as I made it a point to set the alarm to start the day with *Newshour*.

Honestly, I am very grateful to you for my habit of waking up at 3.30 am, when I was able to repulse an attempt by thieves to break in to my house. The thieves, who entered my office room after a forced entry through the window, ran away when I turned on the lights at 3.27 am. Thanks to the BBC's *Newshour* that I saved all my wealth.

A WIJEGUNWARDENE, SRI LANKA

BOX CLEVER

P I am curious to know how often listeners' mail from the BBC postboxes in other countries is forwarded to Bush House in London; in this case from the BBC postboxes in India, located at New Delhi, Madras, and Calcutta.

J GEORGE, INDIA

Judy Marshall, Manager Correspondence, International Broadcasting & Audience Research, replies:

The boxes should be cleared at least once a week and more frequently should the situation demand it. The mail is then forwarded to Bush House.

This certainly happens in the case of the three postboxes in India. Sometimes, however, there are delays in the international postal services from India to London, which means that letters that normally take only a week to arrive might take a little longer. More than 60 BBC postboxes are scattered

throughout the world to save our correspondents the trouble and expense of sending their letters to the UK by airmail. We view the facility as being extremely valuable and hope listeners will continue to make good use of the boxes. (The list of addresses is given below).

NAVAL EXCHANGE

P I am a British seaman serving on foreign flagships and paid in US dollars. There are very many of us! I fully support a request made by a resident of Saudi Arabia for more frequent news of the dollar/pound sterling exchange rate.

The BBC World Service is the only way we have of knowing how much we are earning in REAL money!

SEAMAN, PERSIAN GULF

SUN AND SPORTS

P It would appear that the persons on your staff responsible for altering the programme schedules are unaware that the South Pacific and Australasia are something like 12 hours ahead of GMT. Therefore, the new time for *Sports Roundup* is received in this area at 10.50 am when the sun is well and truly up, causing considerable interference with short wave reception. This has also been commented on by the Sports Editor of the Fiji Broadcasting Commission, Mr Raphael Fong and others.

I am sure I speak for thousands in this part of the world where I request you most ardently and urgently to arrange for *Sports Roundup* to revert to the original time of broadcast at 2100 GMT.

R WEBB, FIJI

ENGLISH IN ASIA

P I feel that the BBC is giving undue favours to Far East Asia, ignoring South Asia. Do you think South Asians are all fluent in English? That only the Far East Asians need to be taught English?

At present each week there is only one English teaching programme for South Asia,

whereas there are seven for Japan-China, three for Malaysia, two for Thailand-Laos. Moreover, special easier English programmes have been started from April for those lucky listeners in Far East Asia. How can we tolerate this?

P BHAKAT, INDIA

Chris Faram, Programme Organiser, BBC English replies:

We can assure you that we are not in a position to favour any one particular region of the world in preference to another.

We have to fight not only with the world's broadcasters for times and wavelengths but also with our own colleagues within Bush House. This is simply because any change in our schedule will result in several other changes in other people's schedules.

However, we are very keen to make programmes for South-east Asia and India in particular. We are, for example, making a series for the teaching of Indian English called Tiger's Eye. This is a first for us not just because it is recorded in India but because it puts greater emphasis on Indian English.

We have begun extra programmes for South-east Asia which will soon include those with a regional flavour. Within these you should be hearing the news in Special English.

AGAINST ADS

P I think the no-ads policy should be applied to the *London Calling* magazine, because in my opinion, the vast majority of the BBC listeners live in the developing countries and have nothing to do with those banks or insurance companies and so on advertised in *London Calling*.

G SHENSHANG, CHINA

SAT SATISFACTION

P Since the end of February this year the BBC World Service is broadcast on the local cable network in our village. Expecting a rebroadcast of the 648 kHz medium wave signal, I was very surprised with the quality of the broadcast!

Later I remembered that once I had read that there were plans to use a satellite channel as a carrier. I am pleased to tell you that I am very happy with the excellent quality of this medium.

Now, I no longer have to switch around between medium and short wave frequencies in the mornings and evenings. I can always depend on the same excellent quality on the same channel. Carry on with the World Service... on satellite!

B REVET, THE NETHERLANDS

NO SOONER SAID...

P BBC World Service is transmitted by satellite as well as on AM, FM and short wave. Why are satellite frequencies etc not listed in *London Calling*?

R J KING, LUXEMBOURG

A number of people have asked about World Service via satellite in Europe. Eutelsat II frequencies can be found on page 24 of this issue.

If you would like to express your views about BBC World Service and its programmes in print, please write to Your Letters, London Calling, PO Box 76, Bush House, Strand, London WC2B 4PH. If you would like your letter read on air, write to Write-On... at the same address or fax London (071) 497 0287.

WRITE TO THE BBC

in English or in your own language about programmes or reception, addressed either to BBC PO Box 76, Bush House, London WC2B 4PH (stating relevant language service) or

Afghanistan PO Box 1, Kabul
Algeria BP 462, Algiers
Angola PO Box 5808, Luanda
Argentina Casilla de Correo 1566, Buenos Aires
Australia Westfield Towers, 100 William Street, Sydney NSW 2011
Bangladesh PO Box 6079, Gulshan, Dhaka 12
Brazil Caixa Postal 51681, 01499 Sao Paulo
Burma PO Box 997, Rangoon
Cameroun PO Box 201, Yaounde
Chile Casilla 9491, Correo Central, Santiago
China PO Box 9082, Guoji Youju, Beijing
Colombia Apartado 29501, Bogota
Czechoslovakia PO Box 1, 12000, Prague
Ecuador Casilla 1042, Quito
Egypt PO Box 2642, Cairo
France 155 Rue du Faubourg St Honore BP 487 08, 75366 Paris, Cedex 08

Germany Savignyplatz 6, 1000 Berlin 12
Greece PO Box 3001, Central Post Office, Athens
Hong Kong PO Box 71688, Kowloon CPO
Hungary BBC Magyar Osztaly, Budapest 62, Postafiolok 518, 1397
India PO Box 3035, New Delhi 11003
 PO Box 6222, Greams Road, Madras 600006
 PO Box 9298, Calcutta 700071
Indonesia PO Box 2023, Jakarta 10001
Iraq PO Box 8013, Salihiya, Baghdad
Ivory Coast BP 1750, Abidjan
Japan PO Box 29, Kojimachi, Tokyo
Kenya PO Box 46682, Nairobi
Libya PO Box 12818, Ad-Dahra, Tripoli
Malaysia PO Box 10210, Kuala Lumpur
Mexico Apartado Postal 30-

533, 06470, Mexico City DF
Morocco PO Box 479, Rabat
Mozambique CP 55 Maputo
Nepal PO Box 672, Kathmandu
Niger BP 11970, Niamey
Nigeria PO Box 160, Kaduna
 PO Box 5671, Lagos
Pakistan PO Box 5463, Karachi
Peru Casilla de Correos 854, Lima
Poland Sekcja Polska BBC, Skr. Poczt. 124, 00-976 Warszawa 13
Portugal PO Box 2968, 1124 Lisboa Codex
Qatar PO Box 3999, Doha
Saudi Arabia PO Box 6316, Jeddah
Senegal BP 3384, Dakar
Sierra Leone PO Box 521, Freetown
Singapore PO Box 434
South Africa PO Box 2787, Cape Town
Sri Lanka PO Box 654, Colombo
Sudan PO Box 6119, People's Assembly Branch

Post Office, Khartoum
Syria PO Box 3869, Abu Roumaneh, Damascus
Tanzania PO Box 9100, Dar-es-Salaam
Thailand PO Box 1818, Bangkok
Tunisia PO Box 9, Tunis
Turkey PK 177, Galatasaray, Istanbul
Uganda PO Box 645, Kampala
United Arab Emirates PO Box 3703 Abu Dhabi
USA 630 Fifth Avenue, New York, NY 10020
Uruguay Casilla de Correo, 16024, Montevideo
Vietnam BBC 400, BUU CUC 10,000, Hanoi
Venezuela Apartado 5170, Caracas
Yemen Republic PO Box 2196, Sana'a
Zaire PO Box 10996, Kinshasa 1
Zambia PO Box 50-319, Lusaka
Zimbabwe PO Box 3655, Harare City

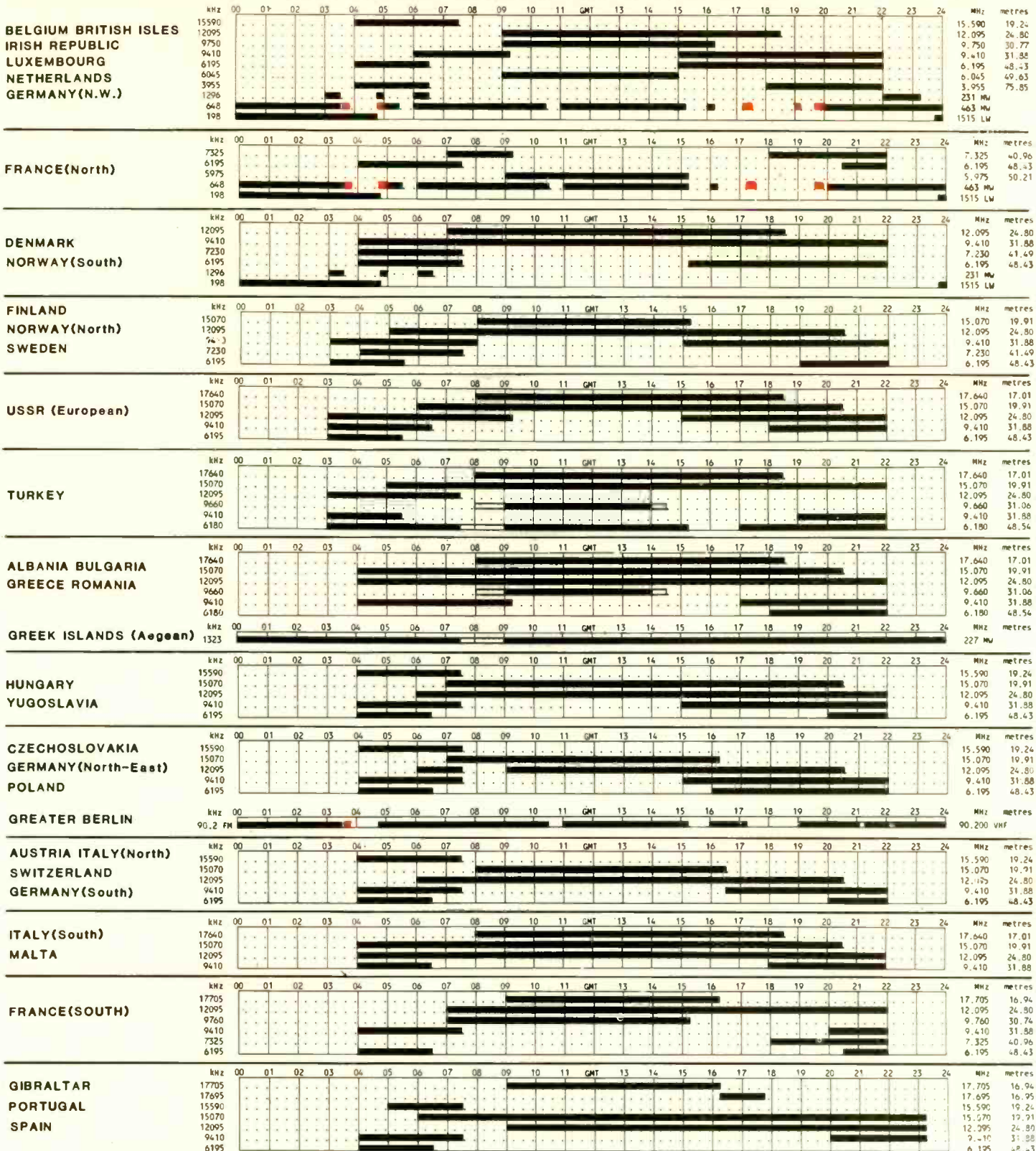
BBC World Service reception quality can be variable, so wherever you live, it is worth trying different frequencies to improve your listening. Lower frequencies generally give best results early in the morning and late at night, higher ones in the middle of the day.

FREQUENCIES (ENGLISH)

BBC World Service in English broadcasts direct or via relays using the frequencies given below, but some listeners can also hear its programmes rebroadcast by their local radio stations.

TRANSMISSIONS:

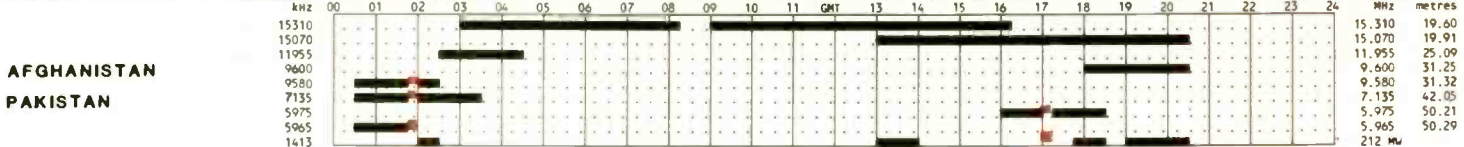
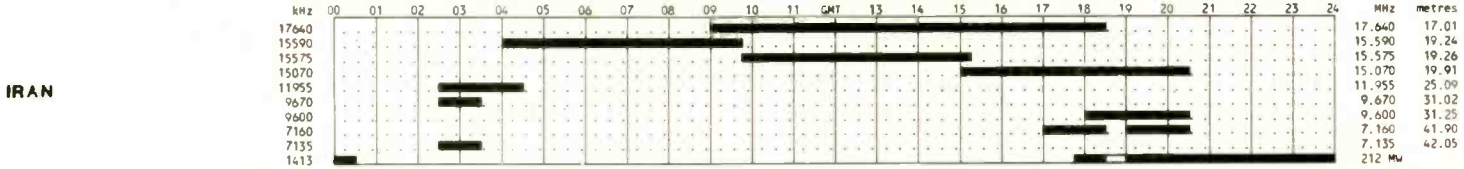
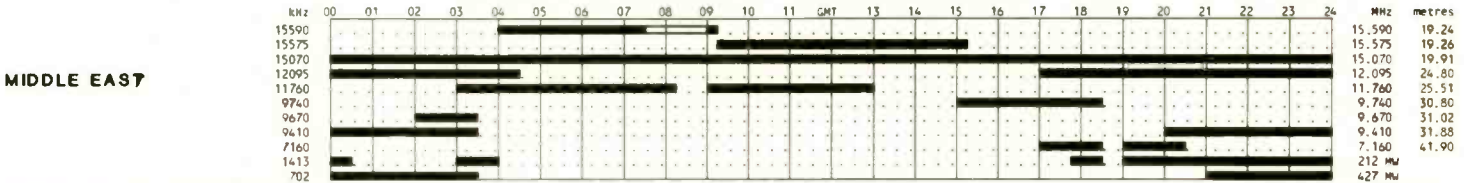
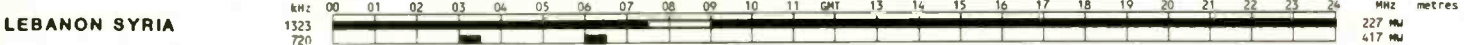
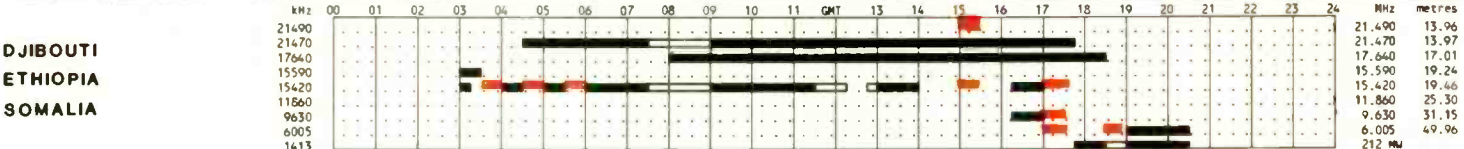
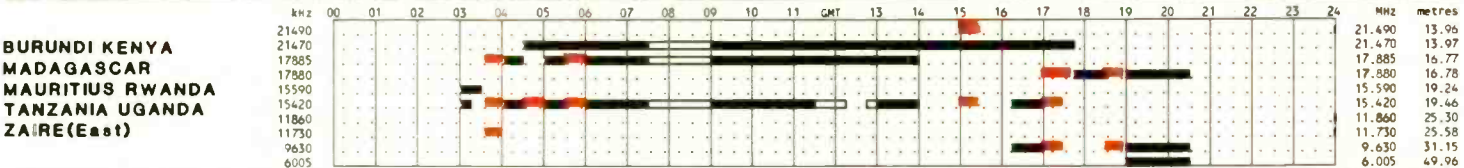
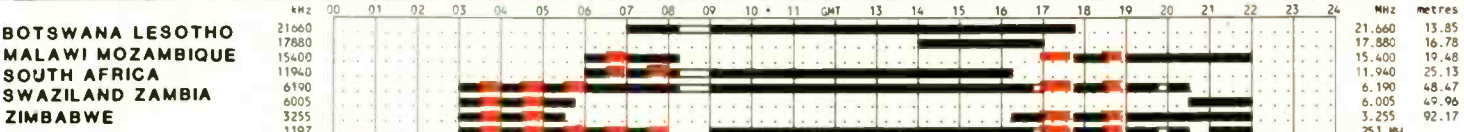
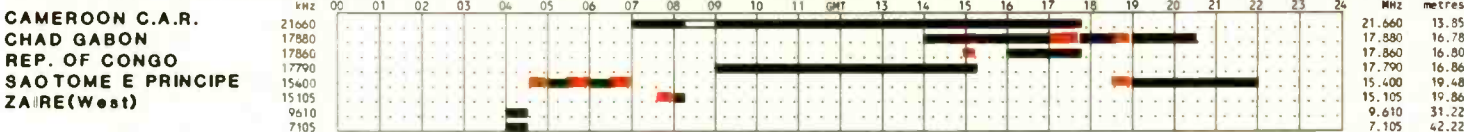
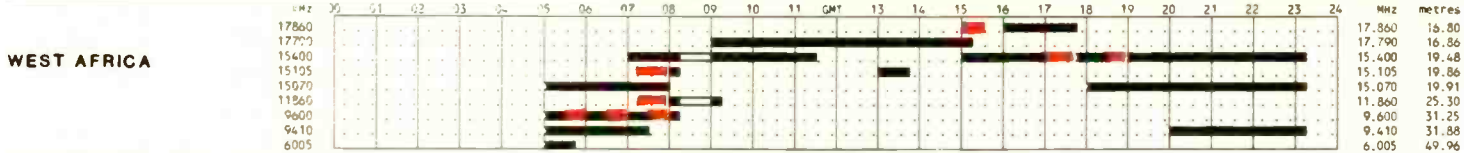
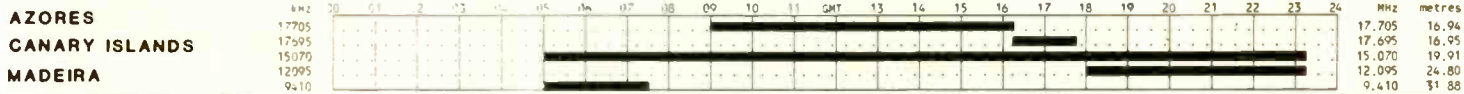
- Daily
- Alternative
- Non-daily



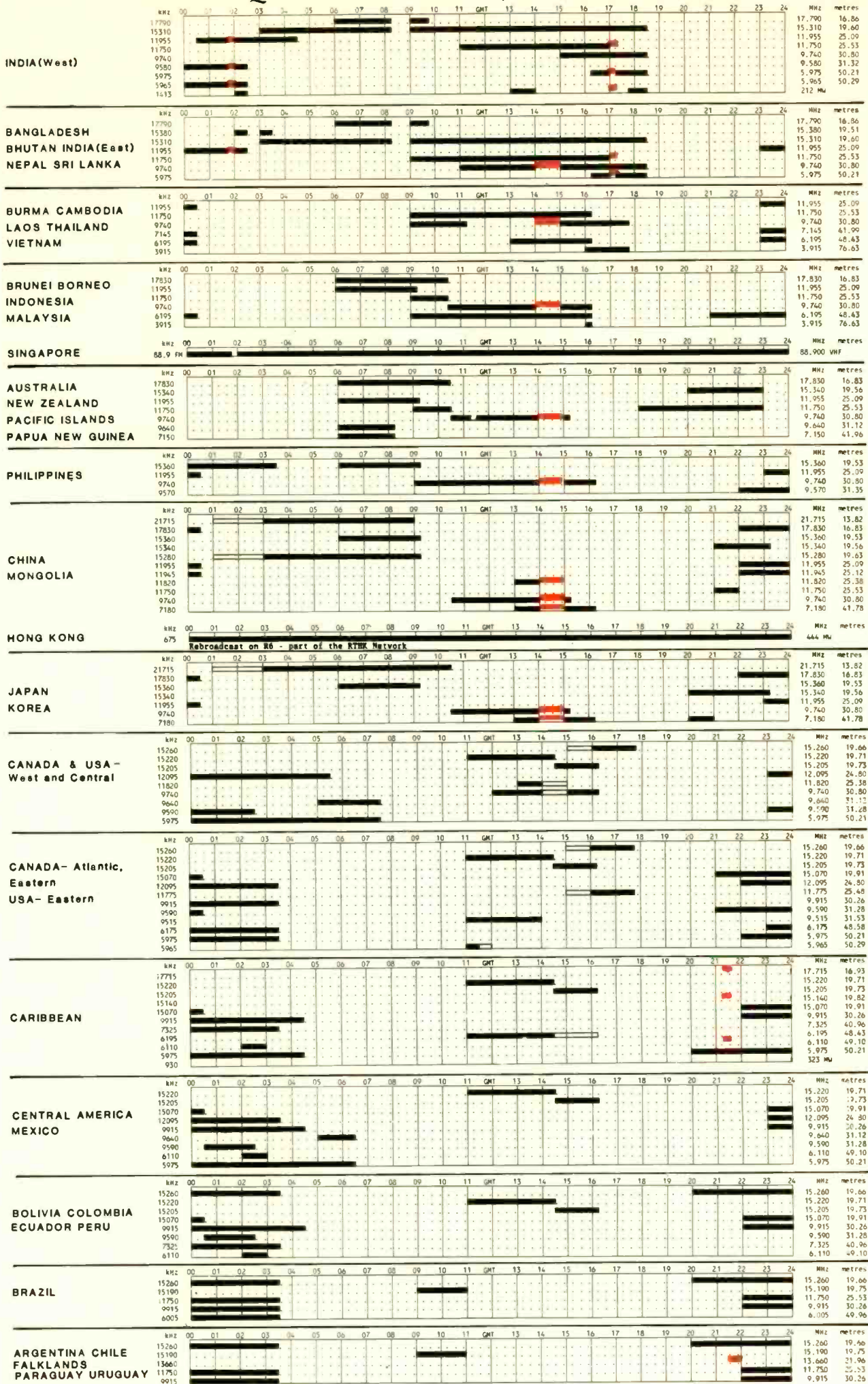
BBC World Service in English can be received via satellite in Europe. It is on Eutelsat II F1, 13° East, Transponder 25 (widebeam), vertical polarisation, 10.987GHz, on an audio subcarrier frequency of 7.38MHz, 24 hours a day.

BBC World Service in English frequency information, covering the period October 1991 - March 1992, is now available listed by transmitter site. If you would like a copy please write to BBC World Service Transmitter Guide, PO Box 76, Bush House, Strand, London WC2B 4PH.

FREQUENCIES (ENGLISH)



FREQUENCIES (ENGLISH)



ALL TIMES GMT

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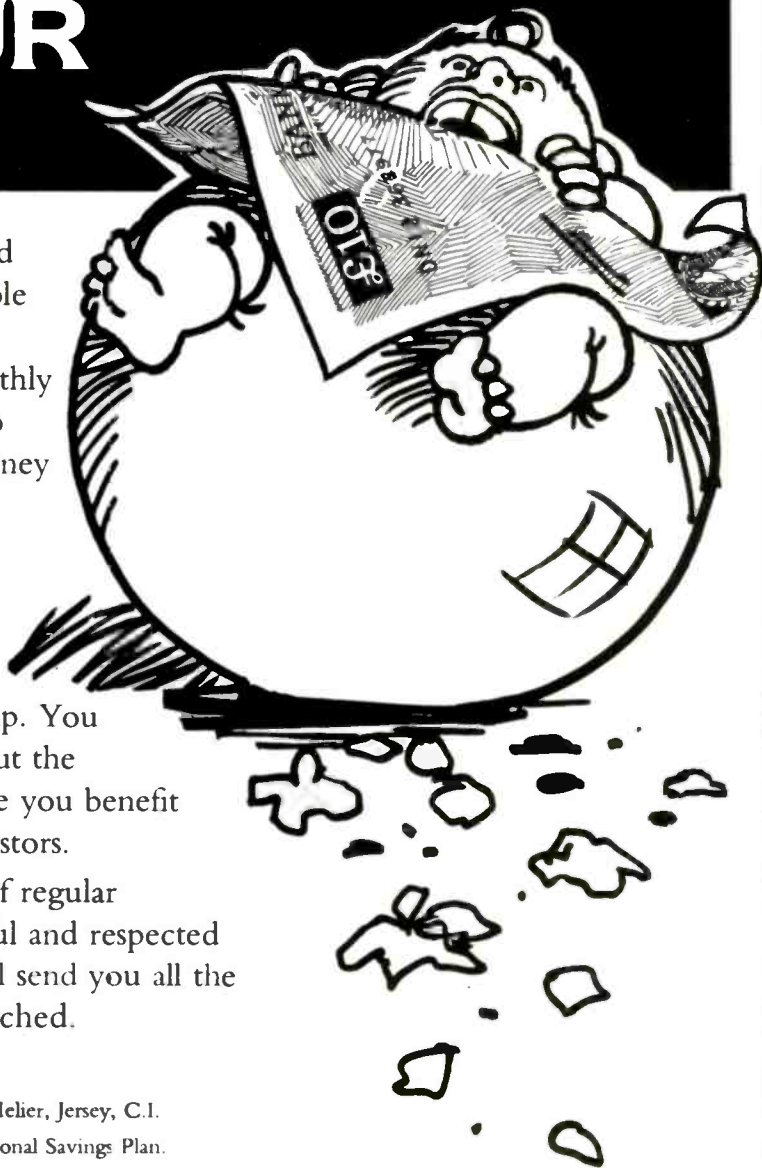
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IN 35 LANGUAGES

Frequencies in kHz (MHz when stated)

Frequency/Wavelength Conversions

Short wave		Medium wave	
Frequency range			
kHz	Metre	kHz	Metre
25,670-26,100	11		
21,450-21,750	13	1413	212
17,700-17,900	16	1323	227
15,100-15,450	19	1296	231
11,700-11,975	25	930	323
9,500- 9,775	31	720	417
7,100- 7,300	41	702	427
5,950- 6,200	49	648	463
3,900- 4,000	75	639	469
3,200- 3,400	90		

EUROPEAN

BULGARIAN
0330-0345 6050, 7325, 9750, 11945
1545-1615 6050, 9770, 11760, 15390
1615-1630 (Sat) 6050, 9770, 11760, 15390
1915-2015 6050, 9770, 11780, 15135

CZECH
0415-0430 (Mon-Fri) 1296, 5875, 7260, 9760, 11945
0515-0530 1296, 5875, 7260, 11945, 15325
1515-1530 (Sun) 9915, 11680, 13745
1530-1600 9915, 11680, 13745
1800-1900 1296, 5875, 7210, 9750

FINNISH
0430-0445 (Mon-Fri) 9915, 17725
1500-1530 11740, 15445
1530-1545 (Sat-Sun) 11740, 15445
1830-1900 11955, 15430

FRENCH (for Europe)
0530-0600 648, 6010, 9915
1030-1045 648, 6125, 9600
1630-1715 648, 6125, 9915
1915-1930 648, 5975

GERMAN
0345-0430 648, 1296 (to 0400), 3975, 6010, 90.2MHz
1045-1100 648, 6125, 9600, 90.2MHz
1515-1530 648, 1296, 6125, 9750, 90.2MHz
1530-1600 648, 1296, 6125, 9750, 90.2MHz
1730-1900 648, 6125, 9915, 90.2MHz

GREEK
0500-0530 (Mon-Fri) 9560, 11845, 15360
1145-1200 9560, 15390, 17835
1430-1500 (Mon-Fri) 6050, 11795, 17695
1900-1915 6125, 9915, 15430
1915-1945 (Sat-Sun) 6125, 9915, 15430
2130-2200 (Sat-Sun) 6050, 9635, 11780

HUNGARIAN
0430-0445 (Mon-Fri) 1296, 5875, 7260, 9760, 11945
0530-0545 1296, 5875, 7260, 11945, 15325
0900-1030 (Sun) 9635, 11680, 13745
1215-1300 (Sun) 9635, 11680, 13745
1700-1800 1296, 9750, 11680, 13745
2100-2145 1296, 5875, 7210, 9715

POLISH
0400-0415 (Mon-Sat) 1296, 5875, 7260, 9760, 11945
0500-0515 (Mon-Sat) 1296, 5875, 7260, 11945, 15325
0600-0630 (Sun) 9825, 11945, 15325
1030-1130 (Sun) 9635, 11680, 13745
1300-1400 (Sun) 9635, 11680, 13745
1400-1430 9635, 11680, 13745

1600-1700 1296, 9750, 11680, 13745
1930-2100 1296, 5875, 7210, 9715

PORTUGUESE (for Europe)
2030-2115 5975, 7150, 11680
2230-2300 6030, 7175

ROMANIAN
0300-0330 (Mon-Fri) 6050, 7210, 9750, 11945
0445-0500 (Sat, Sun) 9750, 11945, 15360
1500-1545 6050, 9770, 11760, 15390
1730-1800 (Sun) 6050, 9770, 11780, 15135
1800-1915 6050, 9770, 11780, 15135

RUSSIAN
0345-0400 7260, 9580, 9635, 9750, 11680, 15590
0445-0500 9580, 9915, 11925, 11955, 15105, 17725
1030-1100 (Sun) 11835, 15115, 15205, 15435, 17695, 17780, 21745
1300-1330 11835, 15135, 15205, 15435, 17695, 17815, 21735
1600-1800 9635, 11845, 15225, 17780, 21735
1800-1900 3915, 9635, 9825, 11845, 15225, 13745
1900-2130 3915, 9635, 9750, 9825, 11845, 15225, 13745.

SERBO-CROAT
0400-0415 6050, 7325, 9750, 11845
1700-1730 6050, 9770, 11780, 15390
2015-2100 6050, 9770, 11780, 15135
2100-2115 (Fri) 6050, 9770, 11780, 15135

SLOVAK
1430-1500 9915, 11680, 13745
1500-1515 (Sun) 9915, 11680, 13745
1900-1930 1296, 5875, 7210, 9670

SLOVENE
0930-1000 (Sun) 11780, 13660, 15235
1000-1015 11780, 13660, 15235
1630-1700 6050, 9770, 11760, 15390

TURKISH
0415-0430 (Mon-Sat) 6050, 7325, 9750, 11845
0700-0900 (Sun) 1296, 6015, 9635, 9740, 17695
1600-1630 6085, 9825, 15135
1945-2015 6125, 9915, 15430
2015-2030 (Mon-Sat) 6125, 9915, 15430

AFRICAN & MIDDLE EASTERN

ARABIC (MIDDLE EAST)
0330-0445 639, 702, 720, 7140, 11740, 15235, 15245, 15575
0445-0600 639, 720, 7140, 11740, 15235, 15245, 15575
1250-1615 639, 702, 720, 7140, 15590, 17785
1615-1830 639, 702, 720, 6030, 7140, 11730
1830-1900 639, 702, 720, (Mon-Fri) 6030, 7140, 11730
1900-2000 639, 702, 720, 6030, 7140, 11730
2000-2100 639, 702, 720 (from 2030), 6030, 7140, 11730

ARABIC (North Africa)
0445-0600 7320, 9825, 11680
1250-1615 13660, 15180, 17715
1615-2000 11730, 13660, 15180, 17715
2000-2100 11730, 13660, 15180

FRENCH (North Africa)
0515-0530 5980, 7285, 9510
0600-0630 7295, 9915, 11720
1200-1245 15180, 17715

1815-1900 11850
2115-2145 5975, 7150, 11680

FRENCH (West and Central Africa)
0430-0445 6155, 7105, 9610
0500-0530 7105, 9610, 15105
0600-0645 7105, 9610, 15105
1200-1245 15105, 21640
1815-1915 11820, 15105, 17830

FRENCH (East Africa)
0430-0445 17885
1215-1245 15420
1815-1915 9630 (to 1830), 17830

HAUSA
0545-0600 7105, 9610, 15105
1345-1415 15105, 17810, 21640
1915-1945 11925, 15105, 17830

PORTUGUESE (for Africa)
0445-0500 7105, 9610, 17885
0530-0545 7105, 9610, 15105
1800-1815 9630, 11820, 15105, 17830
2030-2115 1197 (to 2100), 6190, 9595, 11820, 15160

SOMALI
1430-1500 11860, 15420, 17740, 21490
1800-1830 6005, 15420

SWAHILI
0315-0330 11730, 15235, 15420, 17885
1530-1615 11860, 15420, 21490
1745-1800 6005, 9630, 15420, 17830

ASIAN

BENGLI
0030-0045 9600, 11850, 15380
1330-1410 9605, 11920, 15245
1630-1700 6065, 7105, 9605, 11955

BURMESE
0010-0030 9600, 11850, 15380
1345-1430 6065, 11765, 15360

CANTONESE
1300-1345 11765, 15360

HINDI
0045-0135 1413, 7235, 9600, 11850, 15380
1410-1500 1413, 7235, 9605, 11920, 15245
1715-1730 1413, 6065, 7105, 9605, 11750

INDONESIAN
1100-1130 9580, 11920, 15320, 17830, 21590
1300-1330 6065, 9605, 11920, 15125
2200-2215 6080, 7160, 11715
2300-2330 6080, 7160, 11865

MANDARIN
1000-1300 7180, 11765, 11955, 15360
2130-2200 7180, 9725, 11865, 11945

NEPALI
1500-1520 6065, 11955, 15360

PASHTO
0200-0230 6065, 9600, 11850
1545-1615 1413, 7235, 11720, 15245
1700-1715 (Sat-Tues) 7160, 11720, 15575
* Bilingual Pashto-Persian

PERSIAN
0230-0300 720, 1413, 7235, 9590, 11740
1615-1700 1413, 7160, 11720, 15575
1830-1900 720 (Sat-Sun), 1413, 5975, 7160, 11720

SINHALA
1520-1545 (Sat-Sun) 6065, 7105, 11955

TAMIL
1545-1615 (Mon-Sat) 6065, 7105, 9605, 11955

THAI
1215-1245 6065, 9580, 11920, 15165
1615-1630 6065, 7105, 9605, 11955
2345-2400 6080, 7160, 11865

URDU
0135-0200 1413, 6065, 9600, 11850, 15380
1500-1545 1413, 7235, 9605, 11920, 15245
1730-1745 1413, 6065, 7105, 9605, 11750

VIETNAMESE
1130-1200 9580, 11920, 15320
1430-1500 6065, 11765, 15360
2300-2315 6080, 7160, 11865

LATIN AMERICAN

PORTUGUESE
2230-2315 6110, 9560, 11765, 11820, 15390

SPANISH
0000-0200 6110, 9825, 11775, 11820, 15390
0300-0430 6110, 9515, 9825, 11775, 11820, 15390
1100-1130 9690, 15190, 21490
1300-1330 9690, 15315, 17850

BBC ENGLISH

EUROPE
0430-0445 6050, 7325, 9750, 11845, 90.2MHz
0545-0600 1296, 5875, 7260, 11945, 15325
0630-0645 1296, 6010, 7295, 9825
1030-1045 90.2MHz
1115-1130 (Sun) 1296, 6125
1130-1200 1296, 6125, 9600, 9635, 11680, 11710, 11835, 15115, 15205, 17695, 17830, 21745
1515-1530 648, 1296, 6125, 9750, 90.2MHz
1600-1630 6125, 9915
1615-1630 648
1715-1730 90.2MHz
2030-2100 6125, 7255, 9530
2145-2200 1296

ISRAEL, JORDAN, LEBANON, SYRIA
2000-2030 720

AFRICA
0300-0315 11730, 15235, 17885
0715-0730 11860, 15105
1400-1430 11860, 15420, 21490
1645-1700 (Sun-Fri) 1197, 6190
1945-2000 (Sat) 1197, 6190

SOUTH AMERICA
1130-1145 15190, 21490
2315-2330 6110, 9560, 11765, 11820, 15390
2345-2400 6110, 9825, 11775, 11820, 15390

ASIA
0030-0045 6195, 7145, 11945, 15280, 17830
0045-0100 11945, 17830
0230-0245 11850, 15310, 15380
0245-0300 (Sun) 11850, 15310, 15380
0915-0945 7180, 11765, 11955, 15360
0945-1000 7180, 11765, 11955, 15360
1200-1215 9580, 11920
1530-1545 (Mon-Fri) 6065, 7105, 11955
1700-1715 (Sat-Sun) 6065, 7105, 9605
2100-2130 7180, 11945
2145-2200 6080, 7160, 11715
2230-2245 7160, 9580, 11715
2330-2345 6080, 7160, 11865

LEARN ENGLISH WITH BBC ENGLISH

While the **Sunday** teachers' magazine programme *Speaking Of English* takes a summer break, BBC English broadcasts *The EFL Debates*, part of an occasional series for teachers in which producers venture out, if not into the classroom, at least into the staffroom!

The "debates" began a few years ago. Experts in applied linguistics and teaching methodology were invited to argue for or against a topic, whether it be the role of grammar, of literature or of women in language teaching.

Members of the audience is encouraged to argue the point with the panel. Few need encouraging: it is amazing how excited they can become over pair work or the use of dictionaries in the classroom.

Have you ever wondered what the average man or woman reads on the Number 15 bus? *Novel Choice*, the **Tuesday** literature series, goes some way towards answering the question. Among the writers the producers recommend are Bruce Chatwin, Damon Runyan, Neville Shute, Hanif Kureishi and Kazuo Ichiguro. Each one has a single programme devoted to them, with background information and readings from their novels.

If you are keen to experience "real" English as opposed to scripted or crafted English, tune into *Lei's Talk* on **Wednesdays** to hear British teenagers arguing over issues of the day and *Past And Present* on **Thursdays** to hear different

generations arguing about their own professions.

For more information about these or the many other programmes which can be heard throughout the week, or if you have any comments to make, please write to BBC English, PO Box 76, Bush House, London WC2B 4PH.

BBC English

publishes a lively illustrated magazine entirely in English, with articles, features and language exercises related to the English teaching broadcasts. For details write to *BBC English Magazine*, PO Box 96, Cambridge, England.