

Marconi Outside Broadcast Units

Marconi is the most experienced designer and manufacturer of television and sound broadcasting OB units in the world.

More than 100 units have been sold, three quarters of which have been exported to nearly thirty countries.

Four standard designs cover most black and white and colour operational requirements.



Marconi OB vans prior to delivery

Colour Television OB Unit Type B4402

4 Mk VII Colour Cameras (Complete with coding, synchronizing and ancillary equipment)
12-channel Sound Mixer (B1103)
Solid-state Vision Mixer (B3724)
Complete sound and vision monitoring, communication and distribution equipment.

'Colour Convertible' OB Unit B4403/4404

This unit is offered either as a four-camera black and white OB unit (B4403), or a two-camera colour unit (B4404), the former being readily convertible when the change to colour is made.

B4403 4-Mark V 4½ in Image Orthicon Cameras.

B4404 2-Mark VII Colour Cameras
Common to both:

12 or 24-Channel Sound Mixer (B1103)
Solid State Vision Mixer (B3724)
Synchronizing equipment, monitors etc.,

2-Camera Television OB Unit

Designed to fit a standard 2-ton vehicle, with reinforced roof.
2-Mark V image orthicon cameras (B3100).
Mobile Vision Mixer (B3274)
Sound Mixer.

Complete monitoring, communications and distribution equipment.

Custom-built Design

Marconi also designs and manufactures OB vans which meet the more particular and specialized requirements of certain operators.

It also offers a range of designs for sound broadcasting OB vans.



Marconi Communication Systems Limited
Broadcasting Division
Chelmsford, Essex, England

A GEC-Marconi Electronics Company



Looking down the length of a Marconi colour television OB unit



Marconi OB unit for Canal 13, Mexico City

LTD/8104A

Years advertised:

S and V 1970



Handy



Compact



Accessible



Slim cable



Light weight



Manoeuvrable

Marconi Mark VIII automatic colour television camera

Years advertised:

S and V 1970

Sound broadcasting worldwide

For nearly twenty years television has tended to dominate the interest of Broadcasting Authorities, the Radio Industry and the domestic viewer. This fact has often obscured the remarkable adaptability, resilience and continued growth of sound broadcasting, particularly at

'local service' level. The current demand for low-power medium-frequency transmitters for this type of service has never been higher.

In some countries with an established national broadcasting service, covering possibly the majority of the population, low-power local transmitters, often unattended, are being used to supplement the main transmitter.

Recent sales of the Marconi B6023 1kW medium-wave transmitter include nine to Portugal, four to Greece, three to Libya, two each to Brunei and New Zealand and one each to Switzerland, Zambia and Guyana. Some authorities requiring higher power have ordered the B6029 10kW medium-wave transmitter including Holland, Kenya, Swaziland, Turkey and Portugal.

When planning local or gap filling services the 1kW transmitter, a compact, reliable and simply operated transmitter suitable for unattended operation, is ideal. The B6023 equipment is specifically designed with these requirements in mind and additionally combines high quality transmission with low capital, installation and operating costs.

Apart from the single output valve the 1kW transmitter is all-solid-state with a drive employing untuned pulse amplifiers. No bias supply is required for the final triode amplifier and no r.f. moving contacts or modulation transformer are employed.

As only front access is required for maintenance the transmitter can be sited against a wall or in a corner. With air intake and outlet also at the front and external connections at the top of the cabinet the need for under-floor ducting is overcome.

When higher power or complete reliability is required two transmitters can be operated in parallel by the using the patented Marconi 'Bridged-T' paralleling equipment.

The Bosphorus and the Golden Horn from the Suleiman Mosque.

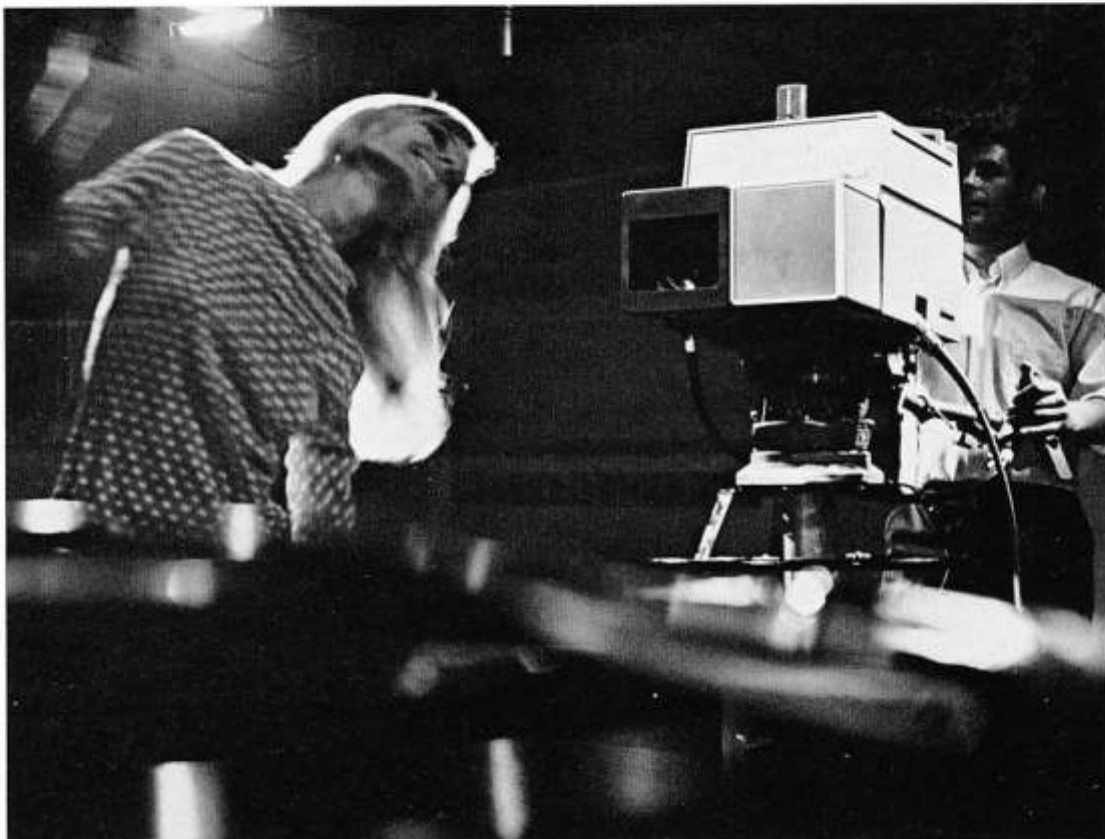


Years advertised:

S and V 1970

Marconi Mark VIII

the world's first automatic colour television camera



Handy Mark VIII – under 100lb working weight and 2 ft in length – uses $\frac{1}{2}$ in. cable – compact CCU.

Automatic Mark VIII

- Automatic line up
- Automatic colour balance
- Automatic dynamic centring
- Automatic diagnostic check

High Performance Mark VIII

Ultra Sensitive Pictures down to 50 lux

Crispest Pictures Built-in 2-D aperture corrector

Sharpest Registration Printed Scanning Coils

True Colour Fidelity Computer matched spectral responses

Anti-lag New 30mm tubes with lag reducing light bias and highlight overload protection

Indoor or outdoor operation Switchable correction circuits ensure correct colour for tungsten or daylight

Marconi Communication Systems Limited, Broadcasting Division, Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/B108

Years advertised:

S and V 1971

Marconi complete high power H.F transmitting systems

The world-wide demand for high-power short wave broadcasting has been met by two highly successful Marconi designs.
250kW H.F. Broadcasting Transmitter (Type B 6122)

100kW H.F. Broadcasting Transmitter (Type B 6123)

Forty-three of these high-power transmitters have been sold for use all over the world to the British Broadcasting Corporation, Voice of America, Deutsche Welle, Voice of Kenya, Ghana Broadcasting Corporation and others.

Trapezoidal Modulation with effective increase in range

Vapour cooling

Wideband r.f. circuits for rapid frequency changing

Complete H.F. drive systems

Synthesizer drive system giving instant, high stability frequency selection between 0.24 and 27.5 MHz in 100 Hz steps and/or up to ten switched crystal frequencies.

H.F. paralleling equipment

Using special drive phasing amplifier and co-linear aerial system.

Right: Six 250kW h.f. transmitters at 'Voice of America' Station at Woolferton

Below: 100kW h.f. transmitter for 'Voice of Kenya'

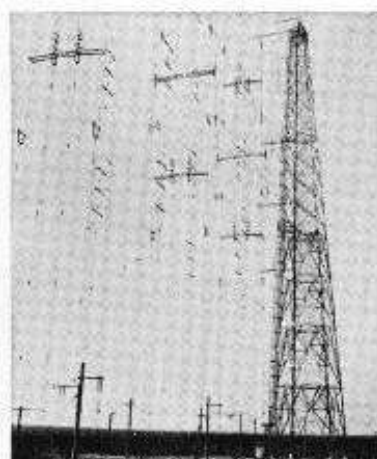
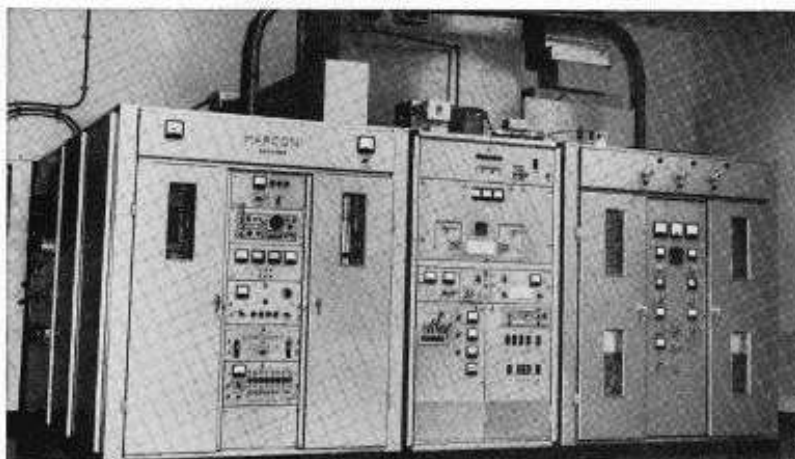
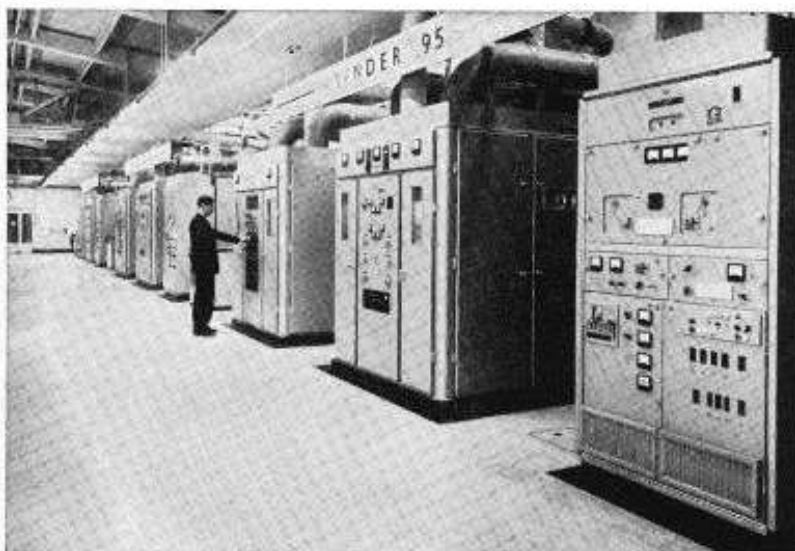
Below right: H.F. Aerial Array on Cyprus

H.F. aeriels

Marconi designed h.f. quadrant, stacked dipole, logarithmically periodic and rhombic aeriels are available to meet broadcasters' most exacting requirements.

System planning

Marconi has maintained a high reputation as complete system planners, and will undertake all aspects of station design, including coverage, equipment specification, frequency planning, installation and civil engineering.



Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England
A GEC-Marconi Electronics Company

Years advertised:

S and V 1971

Marconi studio planning

Marconi have a complete range of television studio equipment and the experience, based on hundreds of installations throughout the world, to plan and install large and small centres.

Complete television sound systems

Complete range of television cameras
Mark V Image Orthicon Camera
Mark VI Photoconductive Camera for Studio, OB or telecine application
Mark VII Four-tube colour camera

Complete range of camera lenses and mountings

Black and white, and colour telecine for large and small studios

Complete range of colour, and black and white monitors

Vision mixers and switching systems including completely solid-state vision mixers

Special Effects equipment

Complete television studio communications systems

Synchronizing and auxiliary equipment



Top: Studio control room, Amman Studios of Jordan TV

Left: Master control room, Channel 13, Mexico City

Below: Granada Television control centre



Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/B98 (A)

Years advertised:

S and V 1971

Marconi complete M.F transmitting systems

Marconi M.F Transmitters cover a comprehensive range from 750kW down to 1 kW.

HIGH POWER

750kW and 500kW M.F transmitters B6026 and B6021

180kW and 150kW M.F transmitters B6030 and B6027

65% overall efficiency

Vapour cooling

Solid-state drive

Easily paralleled

50kW M.F transmitter B6022

Very high efficiency

Efficient air cooling

Easily paralleled

LOW POWER

10kW M.F transmitter B6029

1kW M.F transmitter B6023

Fully transistorized except for single final valve

High stability, solid-state drive

Compact design

Easily paralleled

M.F PARALLELING EQUIPMENT

Continuity of service

Unattended operation

Great operational flexibility

COMPLETE M.F TRANSMISSION LINE COMPONENTS

M.F Aerials

Tower radiators, mast radiators, low power 'T' Aerials

Feeder systems and matching networks

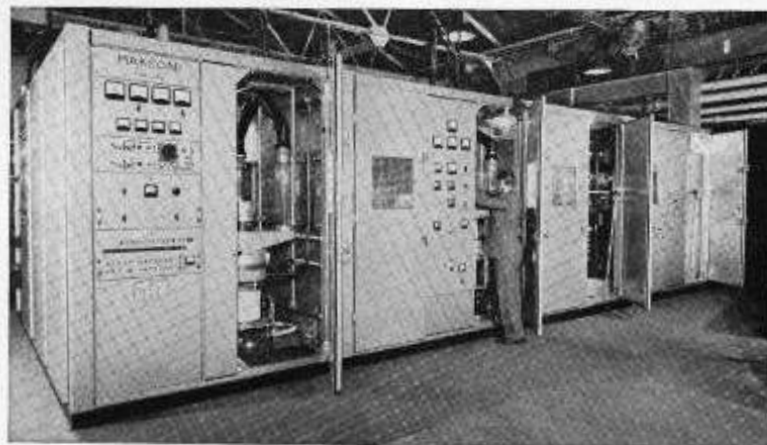
SYSTEM PLANNING

Marconi has maintained a high reputation as complete system planners, and will undertake all aspects of station design, including coverage, equipment specification, frequency planning, installation and civil engineering.

*Below: Two paralleled pairs of 50kW transmitters at the 'Voice of Kenya' Station at Ngong, Kenya
Bottom: 750kW transmitter*



Two unattended 1kW m.f transmitters at BBC Station at Postwick



Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England
A GEC-Marconi Electronics Company

LTD/BH (A)

Years advertised:

S and V 1971

Marconi complete television transmitting systems

BAND IV/V TRANSMITTERS

Television is rapidly expanding into the u.h.f band. Marconi have produced a range of u.h.f transmitter amplifiers from 10kW to 55kW, using a common solid-state drive.

5 or 10W band IV/V drive transmitter Type B7311

Completely solid-state to 5W;
Additional valve amplifier to 10W
High stability
Corrections extend into sync. region
Unique diode modulation gives optimum linearity for colour

55kW/40kW band IV/V television transmitter Type B7318

High gain integral 5-cavity klystrons
Double power by paralleling
No tubes except klystron

40kW Band IV/V television transmitter Type B7309

10kW band IV/V television transmitter Type B7315

Four-cavity vapour-cooled klystrons used in video and sound amplifiers
Easily paralleled

25kW band IV/V television transmitter Type 7301

Similar water-cooled 4-cavity klystrons used in video and sound amplifiers
Easily paralleled

U.H.F combining unit system Type B8144 Series

For combining video and sound signals, r.f. power monitoring and coaxial switching

Multichannel U.H.F combining unit Type B8145

Enables up to four separate u.h.f television channels to combine into one transmission line to a single wideband aerial

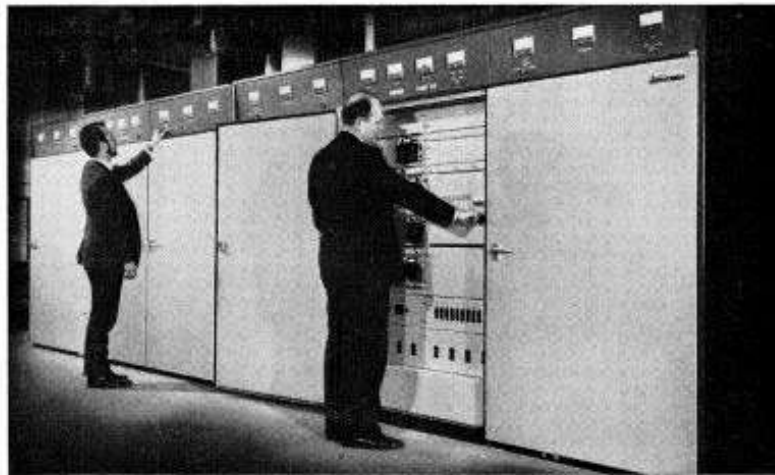
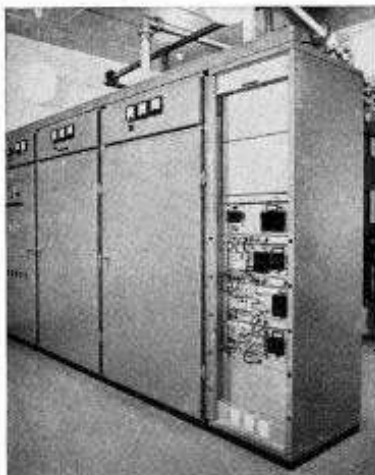
Wideband U.H.F television aerial Type B8241

Accepts up to 4 channels simultaneously
Gains from 18 to 52 times
Virtually circular radiation pattern

COMPLETE V.H.F TRANSMITTING SYSTEMS

Marconi also produces a complete range of Band I and III transmitting equipment, suitable for colour, which is giving reliable service in nearly 40 countries throughout the world

*Below: 40kW Band IV/V transmitter at Uddevalla
Bottom left: 10kW Band IV/V transmitter at Varberg
Bottom right: Two 55kW Band IV/V transmitters in parallel*



Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/B97 (A)

Years advertised:

S and V 1971

EEV know how to simplify klystron installation.

EEV make the widest power range of UHF TV klystrons: they are efficient, economical and compatible with solid state drives. Outputs of 45, 28, 12, 7 and 5.5kW are available. Even the biggest ones can be easily and safely transported to the most remote locations.


This 10kW klystron can be easily removed from its pack. It's then ready to be dressed with the pre-tuned cavities which have been removed from the other klystron.

Dressing the klystron is easy too. The tuning of the external cavities should not be altered. In effect the new klystron is merely replacing the electron beam in the rf circuit. This operation, including replacement in the magnetic frame, takes about 8 minutes.



It is also easy to lower the klystron into the circuit assembly because there are guide rails on the internal structure of the magnetic frame. The assembly is then pushed back into the transmitter.

Switch on! The upper curve shows the optimum transmitter response before shut down. The lower curve shows the initial response with the new EEV klystron. Only a trimming adjustment is necessary to regain optimum performance.

Replacement complete: the sequence transmitter off - circuit assembly out - cavities off - klystrons changed - cavities on - circuit assembly in - transmitter on - picture transmitted - only takes 30 minutes with two unskilled men. That's fast and it will be a long time before it needs doing again, because EEV klystrons have long lives. Please ask for the full data. 

EEV know how.

CRC34

Phone or write now to

ENGLISH ELECTRIC VALVE CO LTD, Chelmsford, Essex, England, CM1 2QU. Tel: 0245 61777. Telex: 99103. Grams: Enelectico Chelmsford.

A member of THE GEC ELECTRONIC TUBE CO LTD, a management company which unites the activities of English Electric Valve Co Ltd and The M-O Valve Co Ltd



Years advertised:

S and V 1971



1 Marconi Mark VIII Automatic Colour Television Camera



2 Full Facilities Colour Telecine installed by Cable and Wireless at Hong Kong for use in conjunction with satellite ground stations



3 Marconi O.B. units on delivery



4 Studio 1 at the Amman, Jordan, Television Centre



5 Marconi Mark VI photoconductive camera in use in a studio

Marconi complete television studio equipment

1 Colour television

Marconi recently introduced the world's first automatic colour television camera – the Mark VIII – a significant advance in camera design and performance.

Marconi has a complete range of solid-state studio, master control, test and ancillary equipment, all capable of working on NTSC, PAL or SECAM standards. Marconi has been prominent in the rapid growth of colour television and has sold over 300 colour cameras, mostly overseas.

2 Telecine

Film continues to provide a major source of television programmes. The Marconi Full Facilities Telecine, a fully automatic equipment designed for colour and black-and-white films and slides of widely varying quality, incorporates the latest techniques, including reproduction of negative colour film and automatic light control.

3 Outside broadcast units

Marconi has contributed more to the development of the O.B. unit than any other company. More than 20 years' experience in their design and production has resulted in the most rational layouts of technical and production facilities for both colour and black-and-white television.

4 Station design

Marconi specializes in design, installation, building, civil engineering and commissioning of complete systems of all sizes – the £3,000,000 comprehensive sound and television broadcasting network for Ghana at one end of the scale and the television system for Jordan at the other, are excellent examples of their scope.

5 Black-and-white television cameras

Marconi pioneered the 4½-inch image orthicon camera. The Mark V is the latest in the line, and is the smallest, lightest and easiest to operate.

The Marconi Mark VI photoconductive camera can be used as a compact high-quality studio, O.B. continuity or telecine camera.



Marconi Communication Systems Limited
Broadcasting Division
Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/S107 (A)

Years advertised:

S and V 1971

Marconi Outside Broadcast Units

Marconi has more than 20 years' experience in the design and development of OB units, and has exported them to 30 countries, where they are operating in sub-arctic and torrid climates and in mountainous and desert terrains.

- Complete mobile multicamera control rooms for complex outside broadcasts or simple 2-camera units.
- Standard designs or custom designs for particular requirements.
- Colour or black-and-white operations.
- Compact, lightweight, automatic Mark VIII colour camera perfect for OB use.
- Air-conditioned vehicles with particular attention to operators' comfort.
- Light alloy construction and easy manoeuvrability.



Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England
A GEC-Marconi Electronics Company

LTD/8114

Years advertised:

S and V	1972	1973	1974
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Well held Marconi!

"Why don't you produce a portable version of that superb Mark VIII automatic colour television camera?" *they said.*

So we have, and here it is.

Of course, we've retained the outstanding features which make the Mark VIII the most advanced camera in the world, automatic alignment and automatic colour balance included.

It's a pleasure to operate, and the pictures it produces can be inter-cut with those from the Mark VIII without loss of any quality. And with the reputation of the Mark VIII that's really something!

If you are thinking portable, here is a camera you have to hold

The Marconi Mark VIII Portable—the most advanced hand-held colour television camera in the world



Marconi Communication Syster Limite
Chelmsford Essex England

A GEC-Marco. actronics Comp

LTD/8129

Years advertised:

S and V ?

Marconi Mark VIII

Automatic Colour Television Camera

The Mark VIII is the world's first
colour television camera, with:

Automatic line-up

Automatic colour balance

Automatic dynamic centring

Automatic diagnostic check



- Pictures down to 50 lux.
- Built in 2-D aperture corrector.
- Printed circuit scanning coils.
- True colour fidelity.
- Switchable correction circuits ensure correct colour for indoor lighting or daylight.
- Under 2ft in length and under 100 lbs working weight.



Marconi Communication
Systems Limited
Broadcasting Division,
Chelmsford, Essex, England

A GEC-Marconi Electronics Company LTD/8113

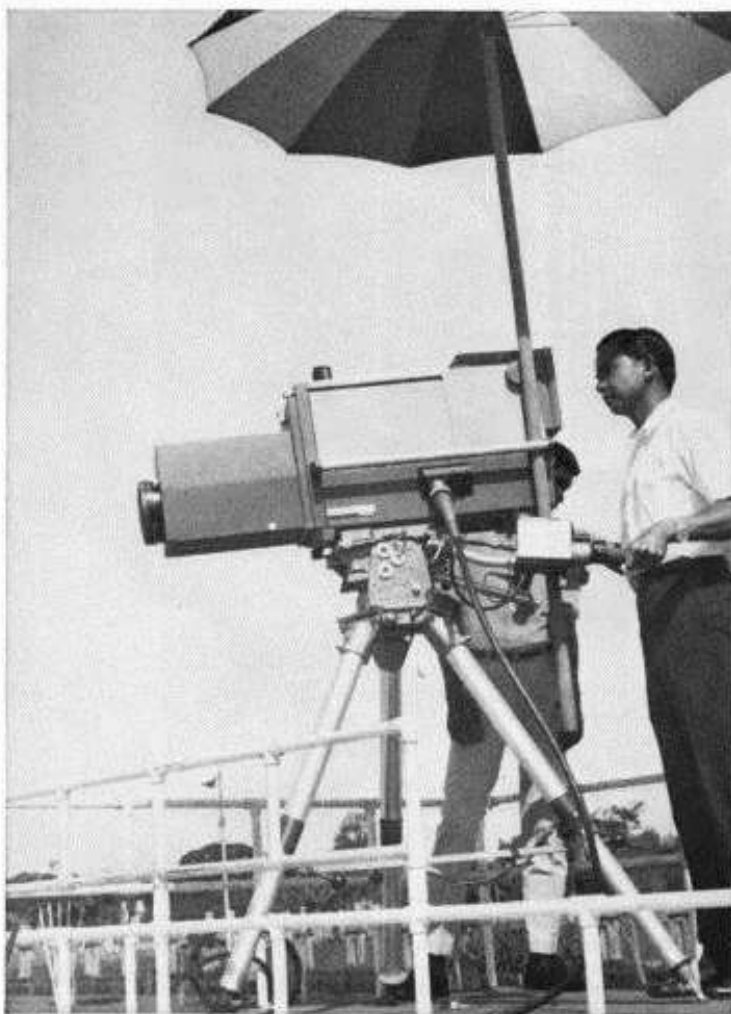
Years advertised:

S and V 1972 1974

Marconi

Mark V Black-and-white **Image orthicon camera**

Marconi pioneered the 4½in image orthicon camera tube, which has never been surpassed in the production of black-and-white television pictures. The Mark V, the latest in the line of Marconi 4½in I.O. cameras, incorporates the most advanced features of camera design. Over 1600 Marconi image orthicon cameras have been sold to 40 countries throughout the world.



- All solid-state
- Tilting high-brightness viewfinder
- Servo or manually controlled integral zoom lens
- High-stability performance
- Fully-screened yoke
- Compact c.c.u



Marconi Communication
Systems Limited,
Broadcasting Division,
Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/8116

Years advertised:

S and V 1972

**MARCONI
COMPLETE
TELEVISION AND
SOUND
BROADCASTING
SYSTEMS**



Marconi Telecine

Telecine provides the most flexible, efficient and economic method of reproducing film on television. From its long experience in telecine Marconi has evolved a colour or black-and-white telecine system (B3402), which can be used as a simple Uniplex equipment using one film projector or as Multiplex Suites, comprising two projectors, either 35 mm or 16 mm, and a dual slide illuminator.

- Reproduces negative or positive colour or black-and-white film.
- Automatic control of black-and-white levels gives improved picture quality for colour pictures.
- Colour masking for improved colour reproduction.
- Automatic projector operation.
- Unique multiplexer with 0.05 sec cut between inputs.
- Lamphouse with automatic lamp change in case of failure.

Marconi Communication Systems Limited, Broadcasting Division, Chelmsford, Essex, England

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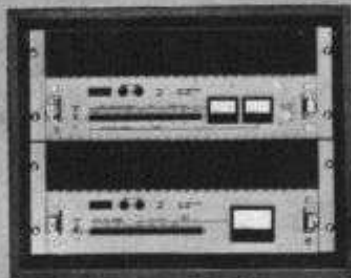
LTD/8115

Years advertised:

S and V 1972

TV TRANSPOSERS TRANSMITTERS

BANDS I AND III



10 W
TV TRANSPOSER

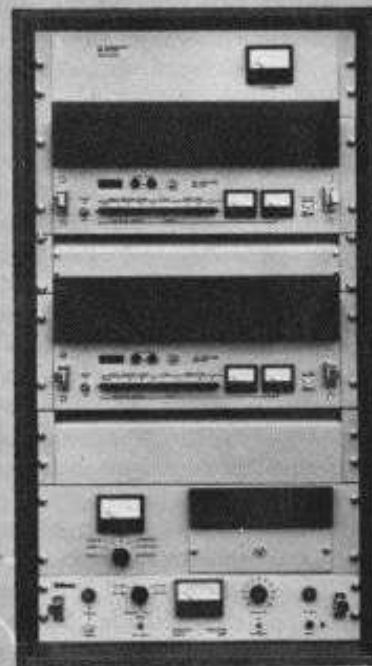
- Up to 50W output all solid-state
- Signal transfer quality exceeds the most severe specifications
- Ideal for cascaded operation
- Modular construction
- High reliability through built-in active reserve

Systems consultants and
suppliers of broadcasting
equipment to the most
discriminating authorities

FM TRANSPOSERS TRANSMITTERS

BAND II

- Up to 600 W all solid-state
- Compact and cost-effective
- Unique system reliability
- Hybrid transmitter-transposer systems available



300 W
FM TRANSMITTER



norsk marconikompani a/s

ryensvingen 5 oslo 6
norway

tel. 67 04 86
telex 16218 nmk

Years advertised:

S and V 1972 1973

Marconi V.H.F Television Transmitters

More than 400 Marconi v.h.f. television transmitters are in service in 40 countries, from the Arctic to the tropics.

The latest Marconi range, the B7103 series, the outcome of this wide experience, introduces the newest techniques to give still more reliable and economic operation.

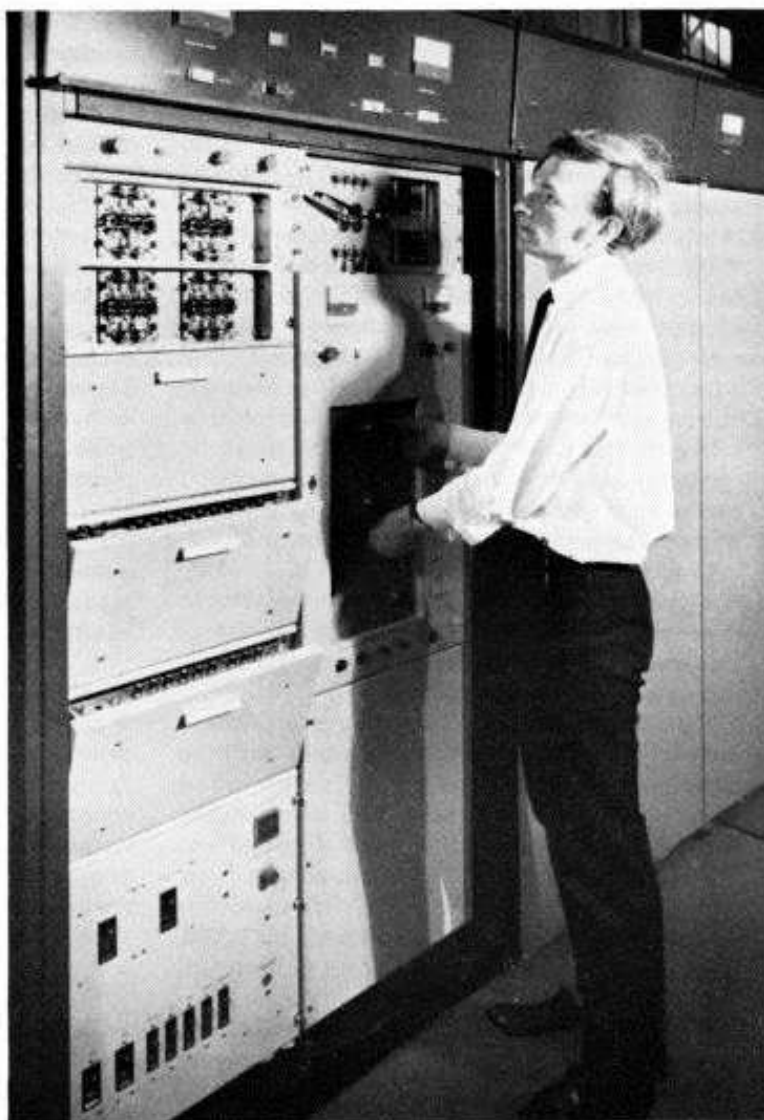
- Two to four second start-up time from cold.
- Only one vacuum tube in low-power and only three in high-power versions.
- I.F. modulation.
- Linearity and group delay corrections at i.f. frequencies.
- Built-in combining unit.
- Simple installation.
- Suitable for unattended or remote control.
- Suitable for NTSC, PAL and SECAM colour and monochrome, 526 or 625 line, and B, D, I, M or N systems standards.
- No rear access required.



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Broadcasting Division,
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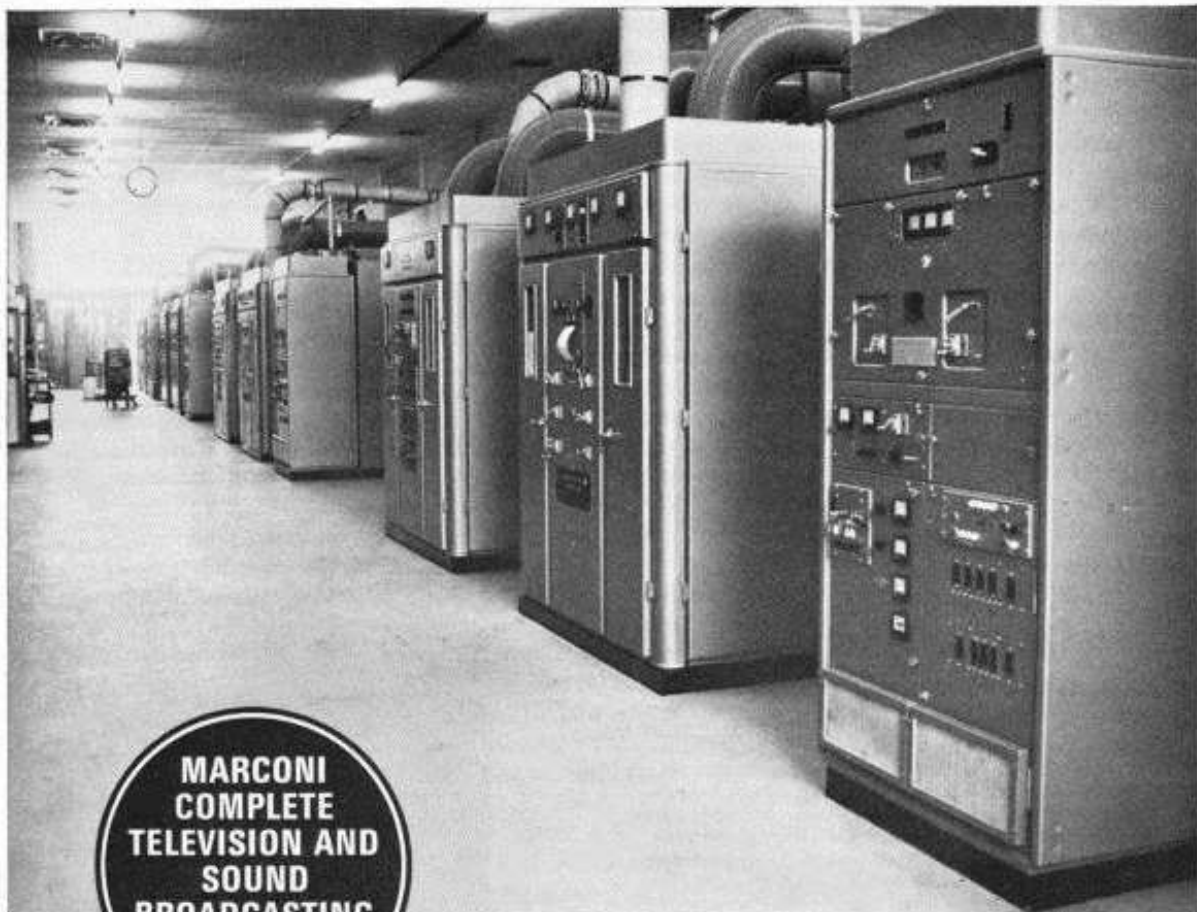
LTD/8117



Marconi H.F. Transmitting Systems

Marconi have in recent years sold nearly 70 high-power h.f. transmitters, which are operating under all climatic conditions throughout the world.

- 250kW and 100kW transmitters.
- Trapezoidal modulation for effective increase in range.
- Vapour cooling.
- Synthesizer drive system and wideband r.f. drive circuits.
- Highly reliable.
- Antennas capable of meeting broadcasters' most exciting requirements.



**MARCONI
COMPLETE
TELEVISION AND
SOUND
BROADCASTING
SYSTEMS**

Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England
A GEC-Marconi Electronics Company

LTD/B118

Years advertised:

S and V 1972 1973

Marconi Vision Switching and Mixing Equipment

Marconi have advanced automation into television signal handling further than any other company, and it offers both fully automatic and manual switching, and technically advanced mixing systems for large and small studios and O.B. requirements.

SWITCHING

- Up to 32 inputs per matrix which can be multiplied as required.
- Digital control logic.
- Alpha-numeric display of up to 15 events on automatic system.
- Readily adapted to computer and paper tape control.
- Real-time clock.

MIXING

- Fully flexible systems.
- Solid-state matrix with micro-electronic crosspoints.
- Modular design, using ICs.
- Comprehensive 'Special Effects' available on studio mixer.
- Experienced systems engineering.
- Compact self-contained solid-state mixers for small studio and O.Bs also available.
- NTSC and PAL colour, and black and white operation.



Marconi Communication Systems Limited,
Broadcasting Division, Chelmsford, Essex, England

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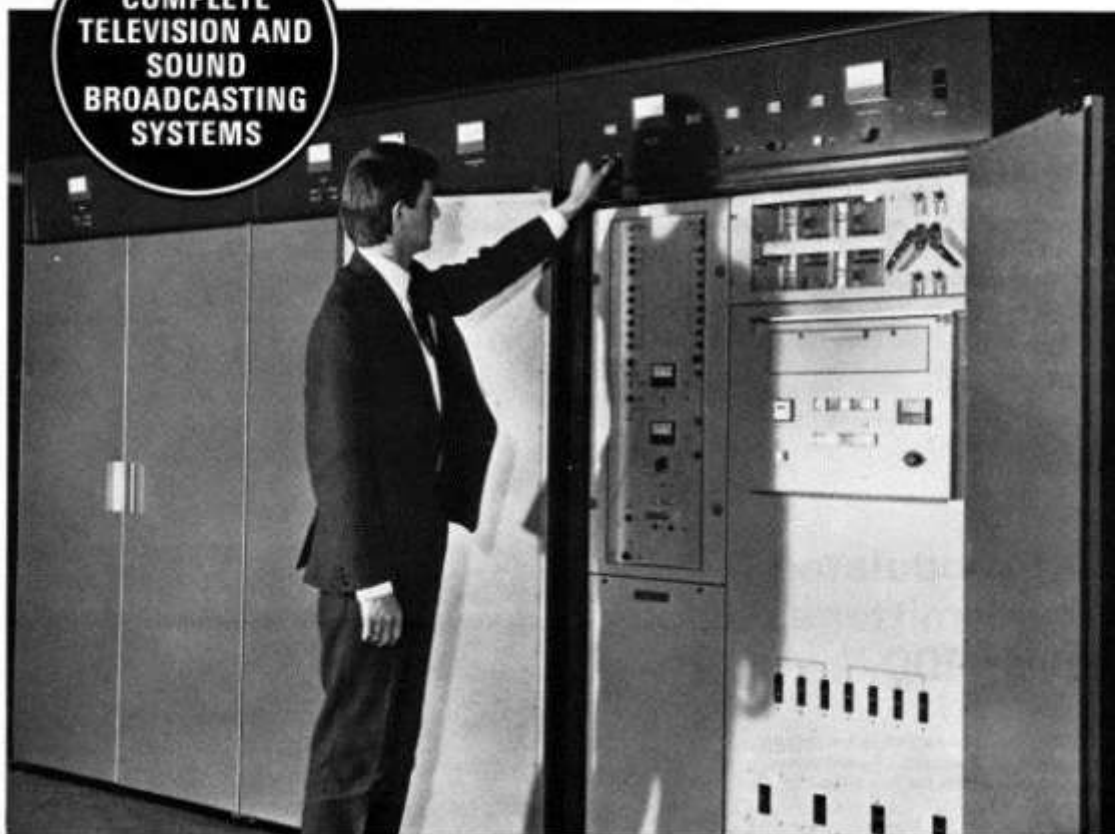
**MARCONI
COMPLETE
TELEVISION AND
SOUND
BROADCASTING
SYSTEMS**

LTD/6/12

Years advertised:

S and V 1973

**MARCONI
COMPLETE
TELEVISION AND
SOUND
BROADCASTING
SYSTEMS**



Marconi U.H.F Television Transmitters

Marconi has recently introduced its third generation of u.h.f. transmitters in which the latest techniques are used to ensure top quality performance, coupled with highly reliable and economic operation. The new range is based on an advanced solid-state i.f. drive and klystron amplifiers with output powers of up to 55kW.

Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England
A GEC-Marconi Electronics Company

- Only 2 thermionic devices (long-life klystron) for all powers.
- Solid-state i.f. modulation drive.
- Simple and reliable operation.
- Suitable for unattended operation and remote control.
- Solid-state control circuits.
- Group delay and linearity corrections at i.f.
- Various forms of reserve facilities – e.g. paralleling, working and standby, etc.
- Suitable for NTSC, PAL, and SECAM colour and monochrome, 525 or 625 lines and G, K, M, N or I system standard.

LTD/8119

Years advertised:

S and V 1973

Marconi Mark VIII

Automatic Colour Television Camera

The Mark VIII is the world's first
colour television camera, with:

Automatic line-up

Automatic colour balance

Automatic dynamic centring

Automatic diagnostic check



- Pictures down to 50 lux.
- Built in 2-D aperture corrector.
- Printed circuit scanning coils.
- True colour fidelity.
- Switchable correction circuits ensure correct colour for indoor lighting or daylight.
- Under 2ft in length and under 100lbs working weight.



Marconi Communication
Systems Limited
Broadcasting Division,
Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/BI 13

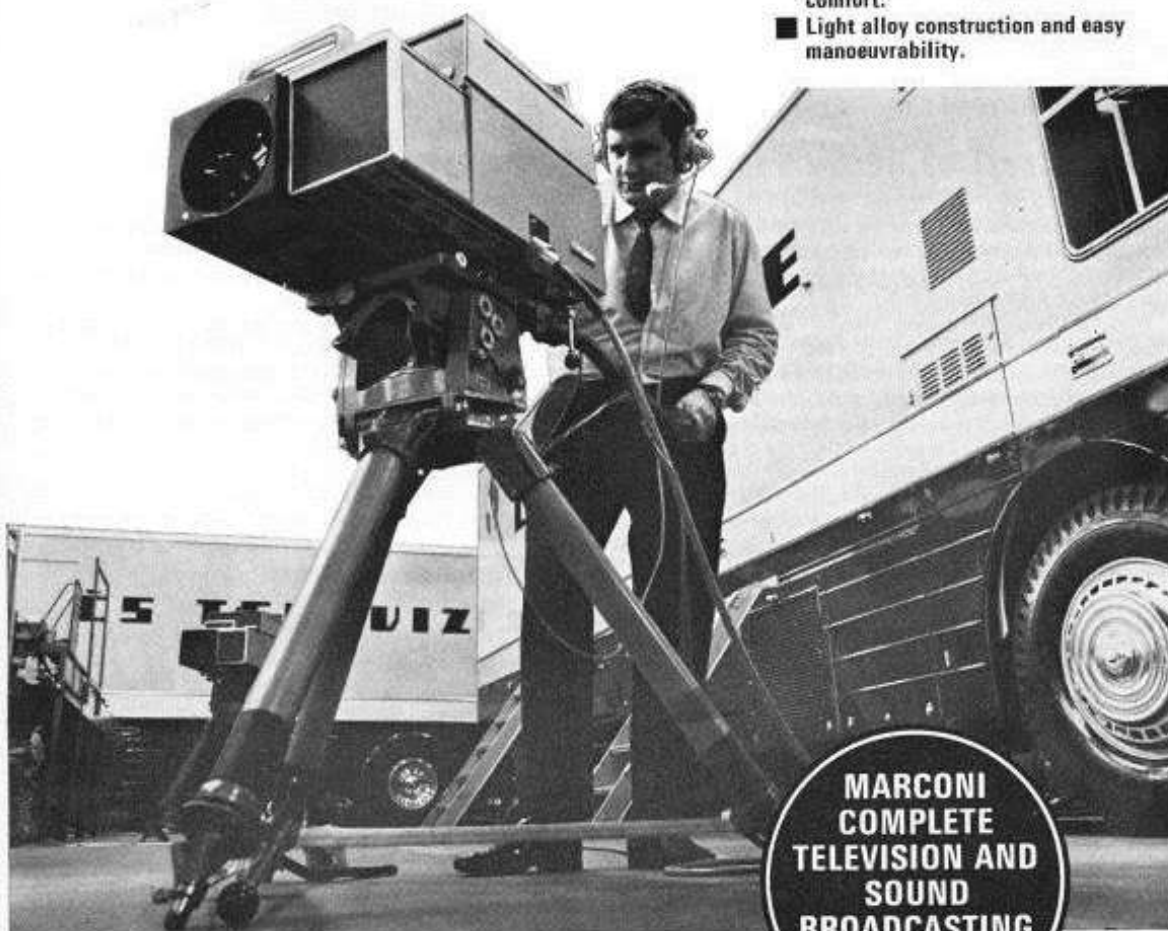
Years advertised:

S and V 1973

Marconi Outside Broadcast Units

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- Complete mobile multicamera control rooms for complex outside broadcasts or simple 2-camera units.
- Standard designs or custom designs for particular requirements.
- Colour or black and white operations.
- Compact, lightweight, automatic Mark VIII colour camera perfect for OB use.
- Air-conditioned vehicles with particular attention to operators' comfort.
- Light alloy construction and easy manoeuvrability.



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**MARCONI
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BROADCASTING
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LTD/8114

Years advertised:

S and V 1973

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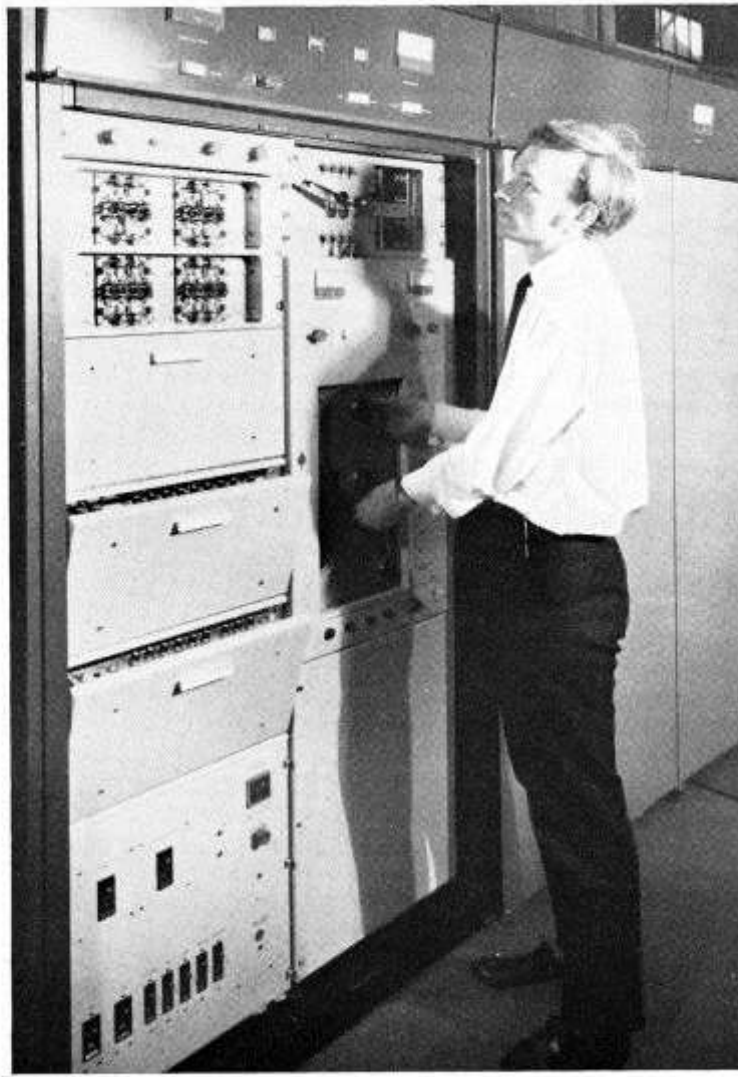
- Two to four second start-up time from cold.
- Only one vacuum tube in low-power and only three in high-power versions.
- I.F. modulation.
- Linearity and group delay corrections at i.f. frequencies.
- Built-in combining unit.
- Simple installation.
- Suitable for unattended or remote control.
- Suitable for NTSC, PAL and SECAM colour and monochrome, 526 or 625 line, and B, D, I, M or N systems standards.
- No rear access required.



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Systems Limited,
Broadcasting Division,
Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/8117



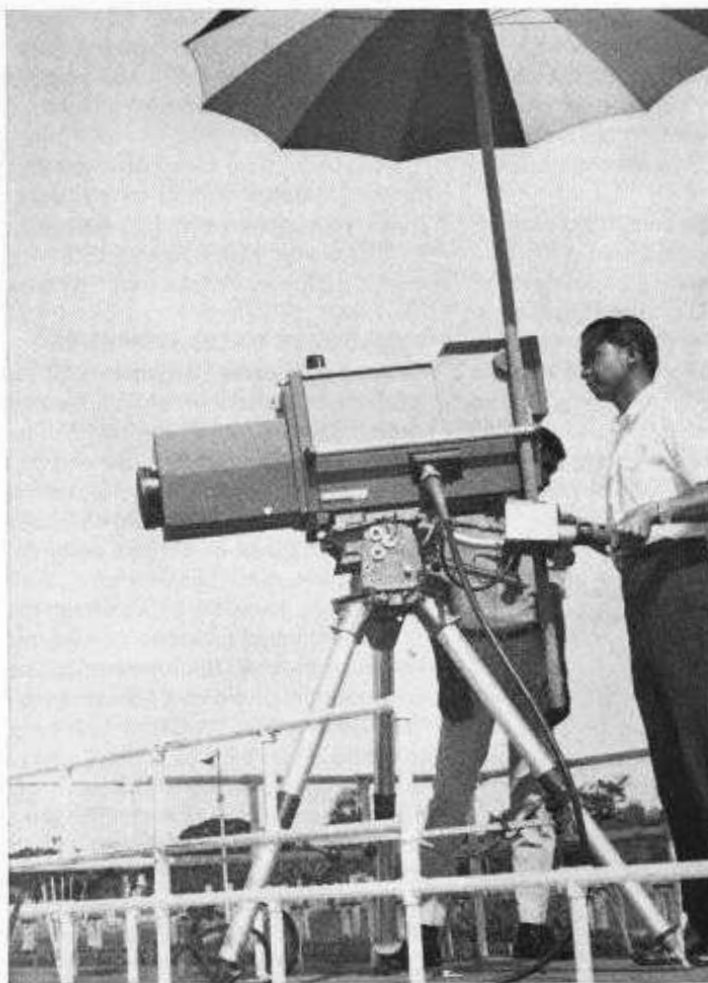
Years advertised:

S and V 1973

Marconi

Mark V Black-and-white **Image orthicon camera**

Marconi pioneered the 4½in image orthicon camera tube, which has never been surpassed in the production of black-and-white television pictures. The Mark V, the latest in the line of Marconi 4½in I.O. cameras, incorporates the most advanced features of camera design. Over 1600 Marconi image orthicon cameras have been sold to 40 countries throughout the world.



- All solid-state
- Tilting high-brightness viewfinder
- Servo or manually controlled integral zoom lens
- High-stability performance
- Fully-screened yoke
- Compact c.c.u



Marconi Communication
Systems Limited,
Broadcasting Division,
Chelmsford, Essex, England

A GEC-Marconi Electronics Company

LTD/B116

Years advertised:

S and V 1973

EEV makes the world's biggest range of camera tubes.

A telephone call from you could make it even bigger.

EEV makes Leddicons, Image Orthicons, Isocons and all types of Vidicons – it's the world's biggest range of camera tubes.

EEV provides swift, expert technical back-up when you need it.

EEV also makes specials. The design and production capability is here to make what you want.

Write for data sheets. Or if you have a specific problem, telephone our tube engineers at Chelmsford. ☒

*The number is
Chelmsford 61777
Ext. 406*

EEV know how.

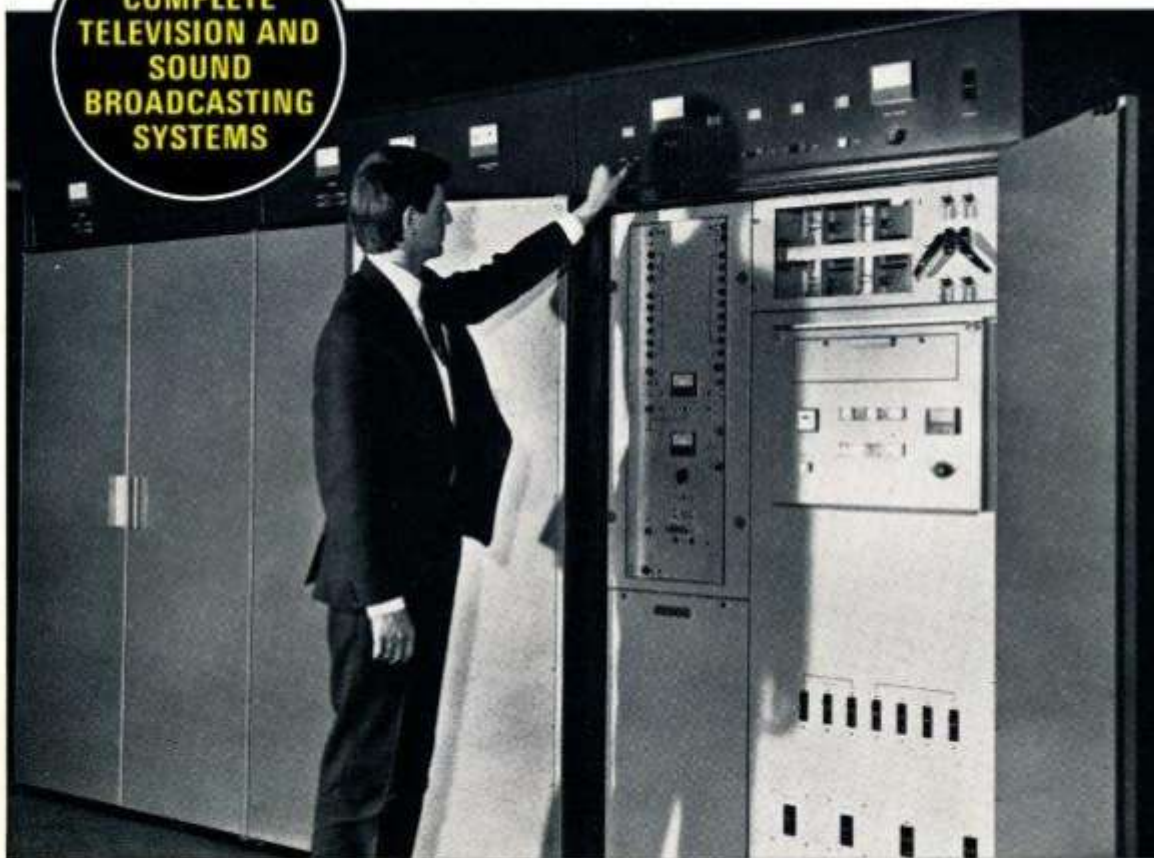
ENGLISH ELECTRIC VALVE CO LTD, Chelmsford, Essex, England, CM1 2QU Tel: 0245 61777 Telex: 99103 Grams: Enelectico Chelmsford
A member of THE GEC ELECTRONIC TUBE CO LTD, a management company which unites the activities of English Electric Valve Co Ltd and The M-O Valve Co Ltd
LAP40



Years advertised:

S and V 1973

**MARCONI
COMPLETE
TELEVISION AND
SOUND
BROADCASTING
SYSTEMS**



Marconi U.H.F Television Transmitters

Marconi has recently introduced its third generation of u.h.f. transmitters in which the latest techniques are used to ensure top quality performance, coupled with highly reliable and economic operation.

The new range is based on an advanced solid-state i.f drive and klystron amplifiers with output powers of up to 55kW.

Marconi Communication Systems Limited
Broadcasting Division, Chelmsford, Essex, England

A GEC-Marconi Electronics Company

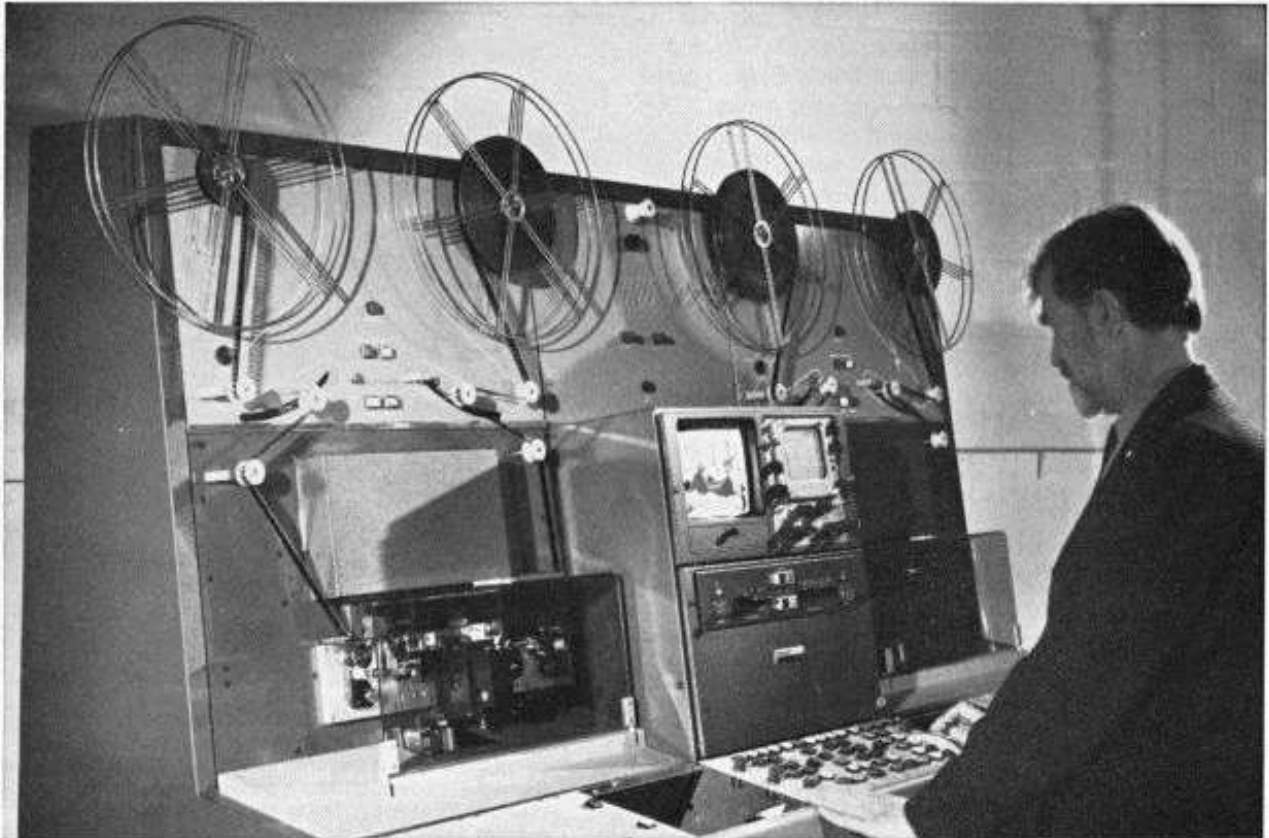
- Only 2 thermionic devices (long-life klystron) for all powers.
- Solid-state i.f. modulation drive.
- Simple and reliable operation.
- Suitable for unattended operation and remote control.
- Solid-state control circuits.
- Group delay and linearity corrections at i.f.
- Various forms of reserve facilities – e.g. paralleling, working and standby, etc.
- Suitable for NTSC, PAL, and SECAM colour and monochrome, 525 or 625 lines and G, K, M, N or I system standard.

LTD/8119

Years advertised:

S and V 1973

Marconi New Telecine



Marconi telecine gives you:

- Instant start
- Random access film programmer to enhance your operational flexibility
- High-speed wind/rewind facility
- Automatic registration and colour balance

Plus all these other features

Minimum floor space
Front operation
Variable speed
Unique preview facility
Fast multiplexing
Controlled spool tensioning
Easy film lacing
Calibrated colour balance
Local/remote operation

Marconi Automatic Telecine — the first to be uncompromisingly designed with television operation in mind

Years advertised:

S and V 1974