

ANOTHER FIRST FROM SCANDINAVIA

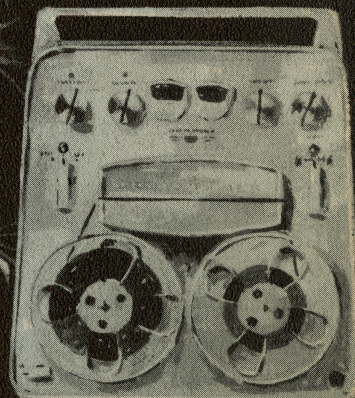
One hundred and forty years ago, a Danish scientist,
H. C. Oersted, gave to the world a new discovery—
electromagnetism. Seventy eight years later, in 1898,
another Danish scientist, Valdemar Poulsen first applied
this discovery to a new principle—magnetic recording.

Now, from the birthplace of these two important
discoveries comes the ultimate in application—
stereo sound recording and reproduction by MOVIC.

The MOVICORDER is not just another tape recorder.
It represents a superb combination of today's finest
engineering techniques and the acknowledged skill
of Denmark's "old country" craftsmen. Drawing upon
its broad experience in tape recording equipment
development for broadcasting and electronic
laboratory work, MOVIC has produced this
portable tape recorder which has no equal in its class.

The MOVICORDER has been carefully designed to
provide a quality, trouble-free instrument for
professional sound recording and reproduction.

MOVIC



"Danish modern" means quality in tape recorders too.

Facts about a sound investment...the MOVICORDER

Records stereo or monaural

SOUND ON SOUND recording permits recording from one channel to the other, adding one or more recordings to one already made

TWO built-in **OUTPUT AMPLIFIERS** make the MOVICORDER a self contained stereo playback unit

ECHO chamber effect if desired

HYSTERESIS SYNCHRONOUS capstan motor

Automatic shut off at end of tape

Extremely gentle and fast tape handling

Two V-U meters

Two custom designed reel motors

CUE switch for easy editing

Either channel can be monitored through the internal speaker

Both channels are correctly phased from input, via tape, to output

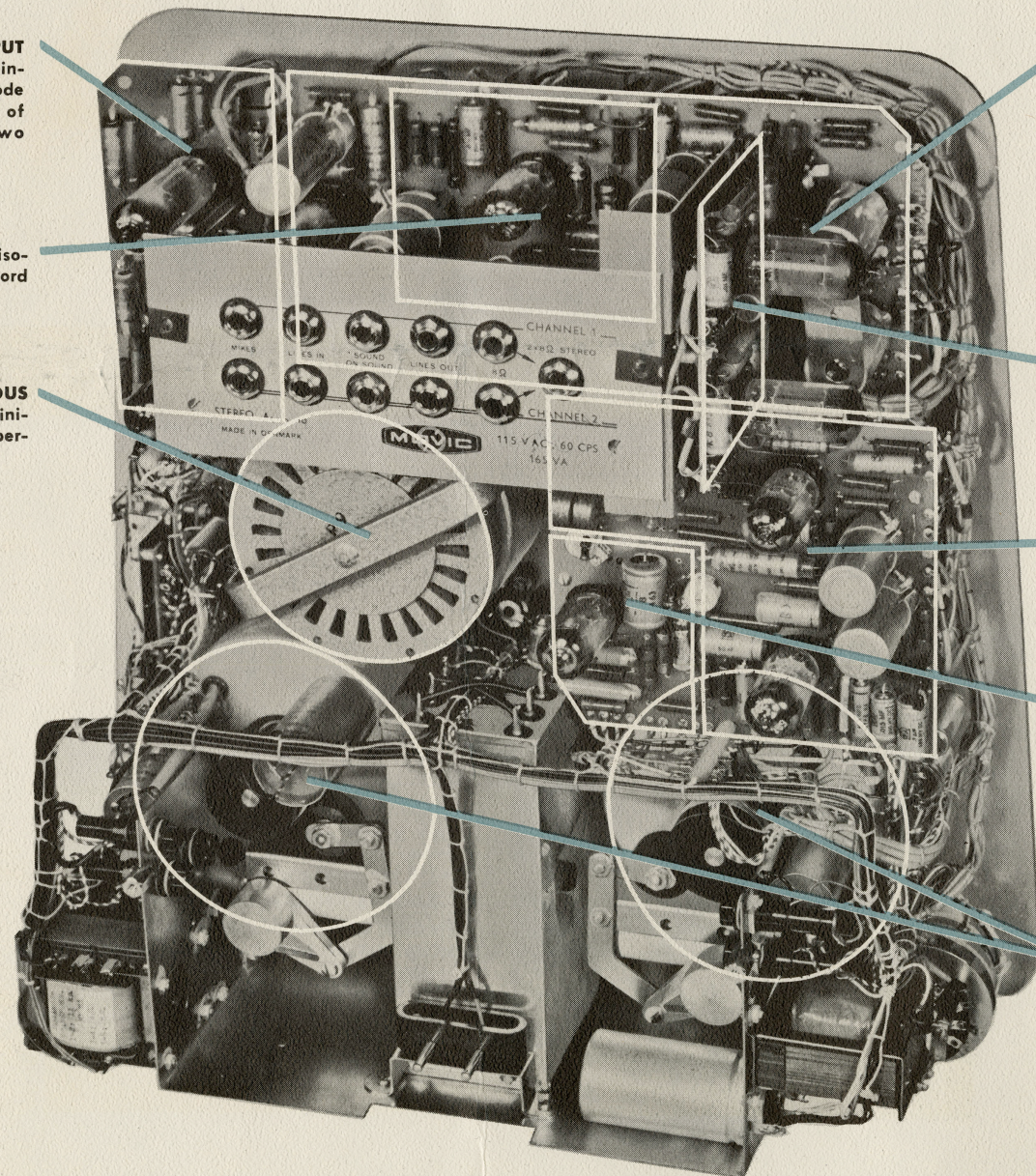


Designed by Norman Kirk

Two carefully engineered **OUTPUT AMPLIFIERS**—each one containing one triode plus one pentode and delivering three watts of undistorted power to the two 8 ohm output jacks.

Two **VU METER AMPLIFIERS** isolate the VU meters from the record and playback amplifiers.

A **HYSTERESIS SYNCHRONOUS CAPSTAN** motor assures a minimum of wow and flutter plus perfect timing.



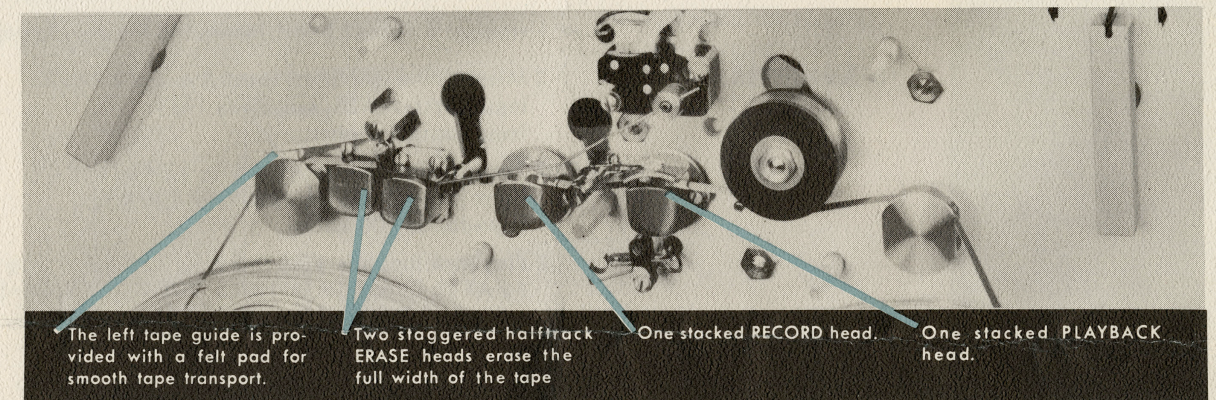
Two **PLAYBACK AMPLIFIERS**, both containing five triodes, have cascaded input stages with DC-filament current for low noise levels. NAB equalization is provided in the feedback network for both $7\frac{1}{2}$ and $3\frac{3}{4}$ IPS. Both amplifiers have adjustable treble equalization and a bias trap for the removal of residual bias signal. Each also has a cathode follower output to both jacks.

Each of the two **MICROPHONE AMPLIFIERS** contains two triodes with feedback and DC filament current.

The two **RECORD AMPLIFIERS** have four triodes, each with $7\frac{1}{2}$ and $3\frac{3}{4}$ IPS NAB equalization in the feedback networks.

A specially designed **PUSH-PULL ERASE/BIAS OSCILLATOR** circuit* gives an unusually clean waveform. The erase/bias frequency is approximately 70 KC and the bias for each channel is adjustable with separate trimmers. (*Pat. Pending)

Two superbly engineered **REEL MOTORS** provide unusually gentle tape handling and constant tension. Hold back current is supplied to the pay-off motor during play.

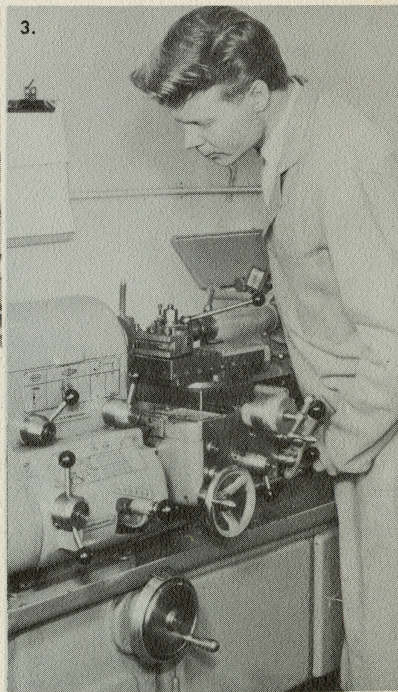
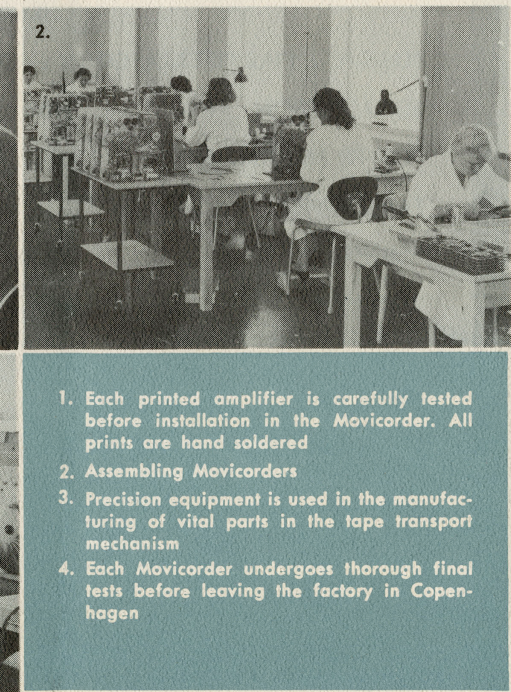


The left tape guide is provided with a felt pad for smooth tape transport.

Two staggered half-track **ERASE** heads erase the full width of the tape

One stacked **RECORD** head.

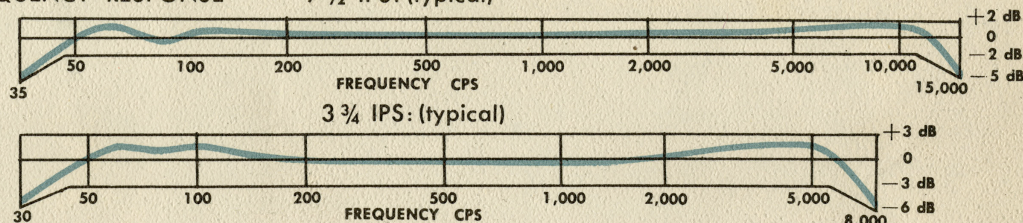
One stacked **PLAYBACK** head.



1. Each printed amplifier is carefully tested before installation in the Movicorder. All prints are hand soldered
2. Assembling Movicorders
3. Precision equipment is used in the manufacturing of vital parts in the tape transport mechanism
4. Each Movicorder undergoes thorough final tests before leaving the factory in Copenhagen

Specifications

TAPE SPEEDS	7 1/2 - 3 3/4 IPS
REEL SIZE	7 inches
START AND STOP	Instantaneous
WINDING TIME	1200 feet in 80 sec
WOW AND FLUTTER	Less than 0.18 % rms
SIGNAL-TO-NOISE RATIO	50 db or better at 7 1/2 IPS
FREQUENCY RESPONSE	7 1/2 IPS: (typical)



3 MOTORS	1 capstan motor, hysteresis synchronous, direct drive. 2 custom reel motors assure gentle tape handling and constant tape tension.
4 HEADS	2 staggered halftrack erase heads. 1 stacked record head, laminated Mu-metal, gap 0.0002". 1 stacked playback head, laminated Mu-metal, gap 0.0002".
10 AMPLIFIERS	2 Microphone amplifiers (each 2 x 1/2 12 AX 7). Input jacks: MIKES, sensitivity 1 mV, impedance 1 Mohm. 2 Record amplifiers (each 4 x 1/2 12 AT 7). Input jacks: LINES IN, sensitivity 100 mV, impedance 100 kohm. 2 Playback amplifiers (each 2 x 1/2 12 AX 7, 3 x 1/2 12 AT 7). Output jacks: LINES OUT, 0.775 volt from cathode followers, output impedance 250 ohms. 2 VU-meter amplifiers (each 1 x 2 N 77). 2 3 watt output amplifiers (each 1 x 6 BM 8). Output jacks: 8 ohms—or a combined 2 x 8 ohms three-way jack.
PUSH-PULL BIAS OSCILLATOR	1 x 6 DJ 8
EQUALIZATION	NAB
POWER REQUIREMENTS	160 W, 115 volts AC, 60 cps
TABLE SPACE	6 1/2 x 16 inches
HEIGHT	18 inches
WEIGHT	45 lbs.

PRICE (net)	\$645.00
WITH ADDITIONAL HEAD FOR 4 TRACK STEREO TAPES	\$695.00

RECOMMENDED AND SOLD BY



MOVIC COMPANIES

COPENHAGEN, DENMARK
SANTA MONICA, CALIFORNIA