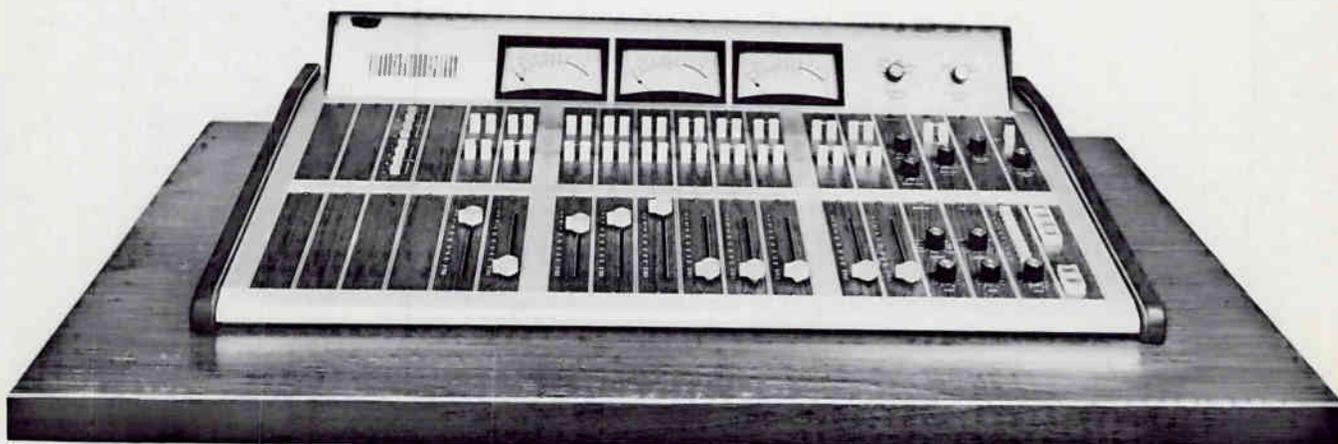# SS7500

8-MIXER STEREO AUDIO CONSOLE

SS7500-C10 Custom Stereo Audio Console

- 8 stereo mixer channels equipped with slide attenuators.

- Two inputs per mixer channel selectable by 3-way input keys (center position OFF).

- Remote line input switcher.

- Balanced mixer buses.

- Two program channels, each with VU meter, line key, auxiliary and headset outputs.

- All amplifiers and regulated power supply mounted inside the console.

- Complete 2-watt cue system with amplifiers and speaker. Cue position on all mixer attenuators. Remote line selector. Pushbutton selector for extra inputs.

- Stereo monitor feed for external monitor amplifier (e.g., LSA608 or LSA609).

- Control panel made up of removable segments that conform to standard dimensions and facilitate placement of controls and optional equipment.

- All panels are overlaid with simulated wood-grain vinyl-clad metal to resist wear and damage.

- Options include mono channel with vu meter, talkback facility, compressors, equalizers with or without insertion switches, etc.

- May be supplied with 10 mixers in SS7500-C10 Custom version.

- Desk-top dimensions only 6-3/4 in. high, 22 in. deep, 33 in. wide.

DESCRIPTION

The SS7500 Stereo Audio Console fulfills the requirement for a compact desk-mounting console which can be customized to suit individual needs. This is achieved in a clean, attractive unit maintaining full broadcast specifications and covering a desk area only 22 by 33 inches.

One of the design concepts contributing to the flexibility of the SS7500 is the division of the control panel into removable segments fitting standard dimensions. This makes it much simpler to position controls to suit the customer's choice, and to group related functions, without major metal fabrication for each project.

The individual panels and the vu meter housing are overlaid with vinyl-clad metal which is hard-wearing and highly resistant to damage such as scratches and burns. Bright trim is of corrosion-resistant non-glare aluminum. A matched pair of oiled-walnut end bells completes the design.

FACILITIES

The block diagram shows the facilities of the standard console in solid lines, with some of the available options shown in broken lines.

Program Circuits

The basic console includes eight stereo mixer channels (A1L to A8R), but this can be expanded to ten (SS7500-C10). Each mixer accommodates two selectable inputs, with the mixers segregated as follows:

(a) Mixers 1 and 2 each accept one low-level input (-60 dBm, 150 ohms) and one high-level input (0 dBm, 600 ohms). An optional microphone on-off relay can be installed in each of these channels.

(b) Mixers 3 to 6 are for medium-level inputs (-20 dBm, 600 ohms).
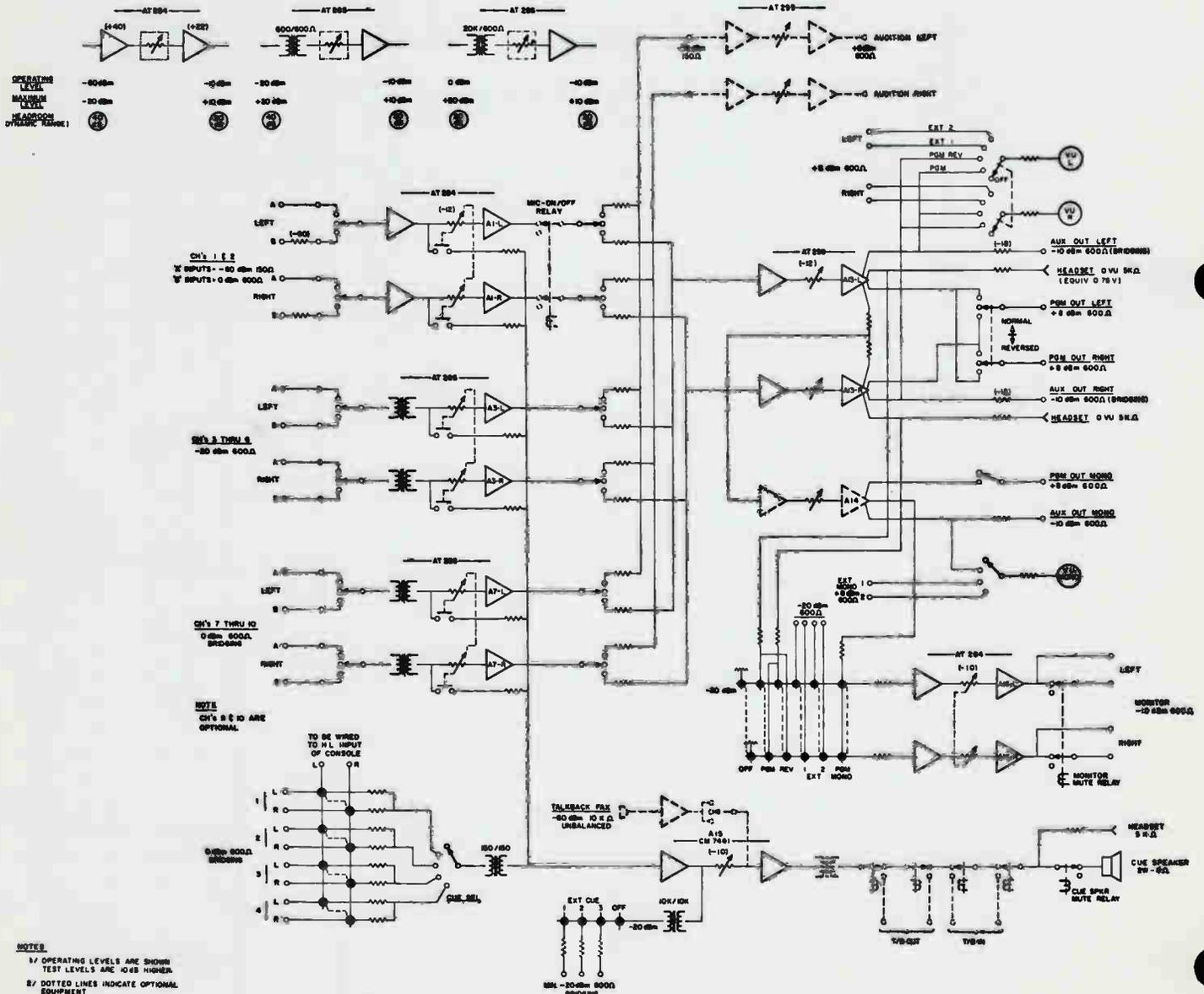
SS7500 Block Diagram

(c) Mixers 7 and 8 accept high-level bridging inputs (0 dBm, 600 ohms). The remote line pushbuttons provide for selection of one of four 0 dBm inputs to either high-level mixer.

The mixing level in each channel is adjusted by means of a slide attenuator which incorporates a cue switch.

Each mixer may be selected to one of two balanced buses. One bus feeds the stereo audition channel, while the other feeds the stereo program channel (A13L, A13R). The program channel provides two outputs; one at –10 dBm 600 ohms bridging, and one at +8 dBm 600 ohms matching. The matching output is via the program normal/reverse key.

The console is prewired for an optional monaural program amplifier and vu meter.

Monitoring

Visual monitoring is provided by two full-size A-scale vu meters with associated selectors for monitoring program left and right, or external inputs. Local aural monitoring is available at headset jacks located at the front of the console.

Monitor select pushbuttons permit selection of Pgm, Pgm Rev, Mono, Ext 1, or Ext 2 to the stereo monitor channel (A11L, A11R). This channel provides two –10 dBm 600-ohm outputs for feeding external monitor amplifiers. A muting relay for one output, and a common gain control for both outputs, are supplied as standard equipment. Complete 10-watt speaker-amplifiers are available to accommodate these outputs (model LSA608 or LSA609).

Cue System

Each mixer attenuator, in the 'infinity' position, provides a mixer cue to the cue bus which is directly connected to amplifier A15. The cue select switch permits selection of any one of the four remote lines to the cue bus. The cue pushbuttons can select any one of three external inputs to A15.

A15 provides up to 2 watts to the built-in speaker, plus a headset output. A front panel gain control permits level adjustment. A muting relay is provided for the speaker.

An optional talkback facility can be wired to the cue circuits.
(See Ordering Information for complete list of options).
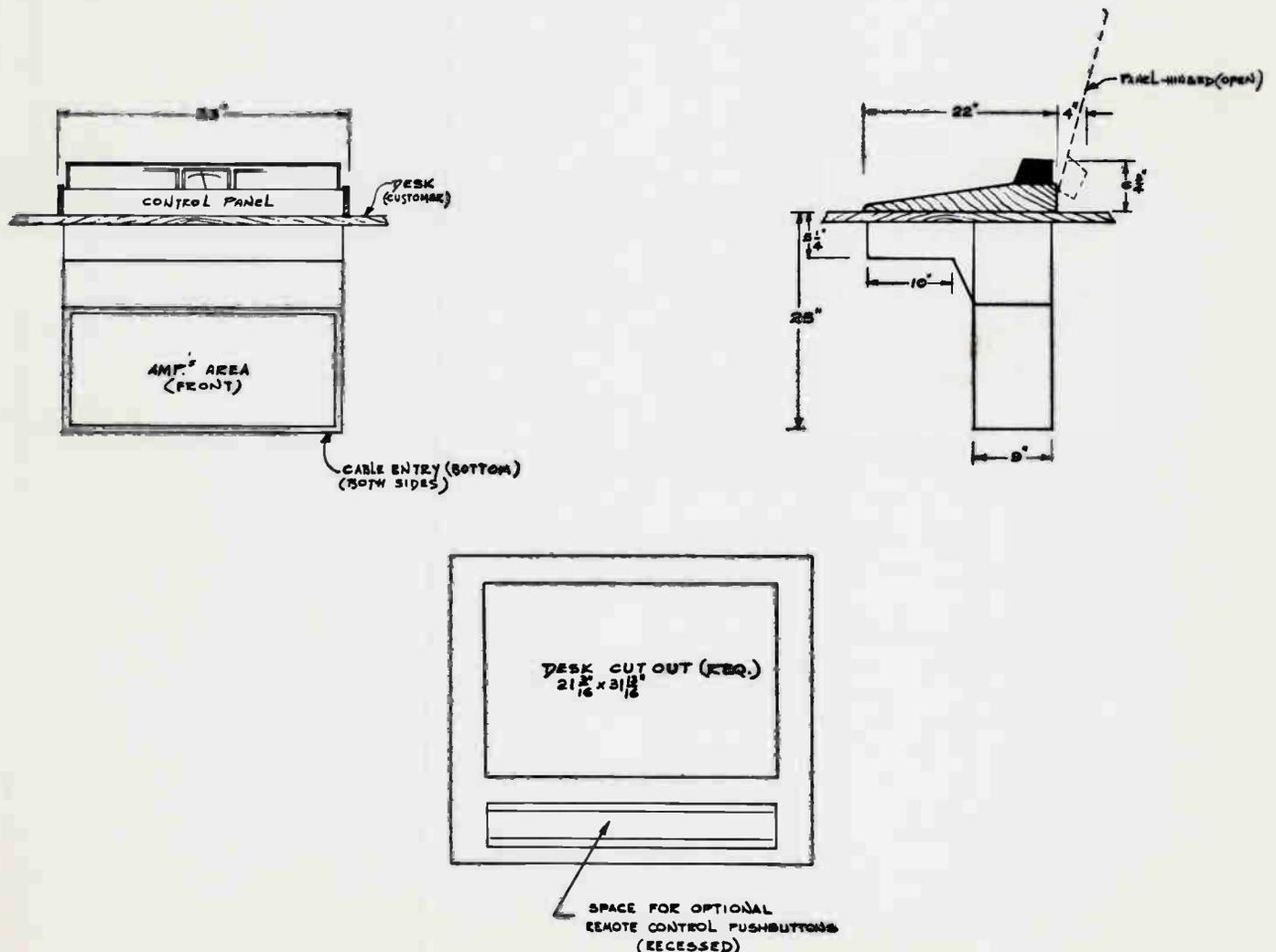
Dimensional Outline Diagram

SPECIFICATIONS

INPUTS

(1) Two low-level stereo inputs; -60 dBm, 150 ohms.
(2) Eight medium-level stereo inputs; -20 dBm, 600 ohms.
(3) Six high-level stereo inputs; 0 dBm, 600 ohms. (Two optional HL channels provide four extra inputs).
(4) Four stereo remote line inputs; 0 dBm, 600 ohms.
(5) Two external inputs to each vu selector; +8 dBm, 600 ohms.
(6) Two external inputs to monitor selector; -20 dBm, 600 ohms bridging.
(7) Optional talkback mic input; -60 dBm, 10k ohms.
(8) Two ·optional talkback inputs to cue speaker and headset; 2 watts, 8 ohms.

OUTPUTS

(1) One switchable stereo program output; +8 dBm, 600 ohms.
(2) One fixed stereo aux or record output; -10 dBm, 600 ohms, bridging.
(3) One stereo audition output from mixers; -32 dBm, 150 ohms.
(4) One stereo monitor output; -10 dBm, 600 ohms. Muting relay included.
(5) Built-in cue speaker; 2 watts 8 ohms. Muting relay included.
(6) One optional monaural output; +8 dBm, 600 ohms.
(7) Two optional talkback outputs; 2 watts, 8 ohms.

MAXIMUM GAIN (± 1 dB)

(1) Low-level input to program output; 92 dB.
(2) Medium-level input to program output; 52 dB.
(3) High-level input to program output; 32 dB.

FREQUENCY RESPONSE (ref 1 kHz)

For any input to program or monitor output at normal attenuator settings: ± 1 dB from 30 Hz to 15 kHz.

NOISE

Relative Input Noise: -124 dBm, unweighted, measured over 10 Hz to 100 kHz bandwidth at -3 dB points.

HARMONIC DISTORTION (at normal attenuator settings)

(1) For any input to program output: less than 0.5% from 30 Hz to 15 kHz at +18 dBm output.
(2) For any input to monitor output; less than 0.5% from 30 Hz to 15 kHz at 0 dBm output.

CHANNEL SEPARATION (Crosstalk)

At least 55 dB below +18 dBm output level, when feeding one channel with -50 dBm (150 ohms) and measuring on unused channel, with normal attenuator settings (12 dB in hand) 30 Hz to 15 kHz.

TRANSIENTS

The operation of any relay in the console will not degrade the noise figure by more than 10 dB.

POWER REQUIREMENTS

115v ac, 50/60 Hz, single phase, 50 va approximately. (May be supplied for 230v on special order).

AMBIENT TEMPERATURE

0° to 55°C (32° F to 131° F).

OVERALL DIMENSIONS

See Dimensional Outline Diagram.

WEIGHT

90 lb, approximately.

ORDERING INFORMATION

ORDER

(1) For the standard console, order SS7500 Stereo Audio Console. The standard console includes eight mixers (as shown on the Block Diagram), stereo program channel, stereo monitor channel, cue system, and remote line selector. All amplifiers and power supply for the above are included.

(2) For the 10-mixer version, order SS7500-C10 Custom Stereo Audio Console.

The price listed for the standard console does not include optional equipment · nor the installation of optional equipment.

OPTIONAL EQUIPMENT

(1) Amplifier and vu meter for monaural program channel.
(2) Amplifiers for stereo audition output.
(3) Two additional mixers (9 and 10); SS7500-C10 only.
(4) Talkback facility (see Block Diagram).
(5) Equalizer and pushbutton assemblies.
(6) LSA608 or LSA609 10-watt Speaker-Amplifiers for monitor outputs.
(7) Pushbuttons to replace lever keys.
(8) Mounting desk or table.
(9) Remote control pushbuttons for turntables and tapes (see Dimensional Outline Diagram).
(10) Microphone on-off relays for mixers 1 and 2.

SS4386 CHANNEL

6-MIXER SINGLE-AUDIO CONSOLE
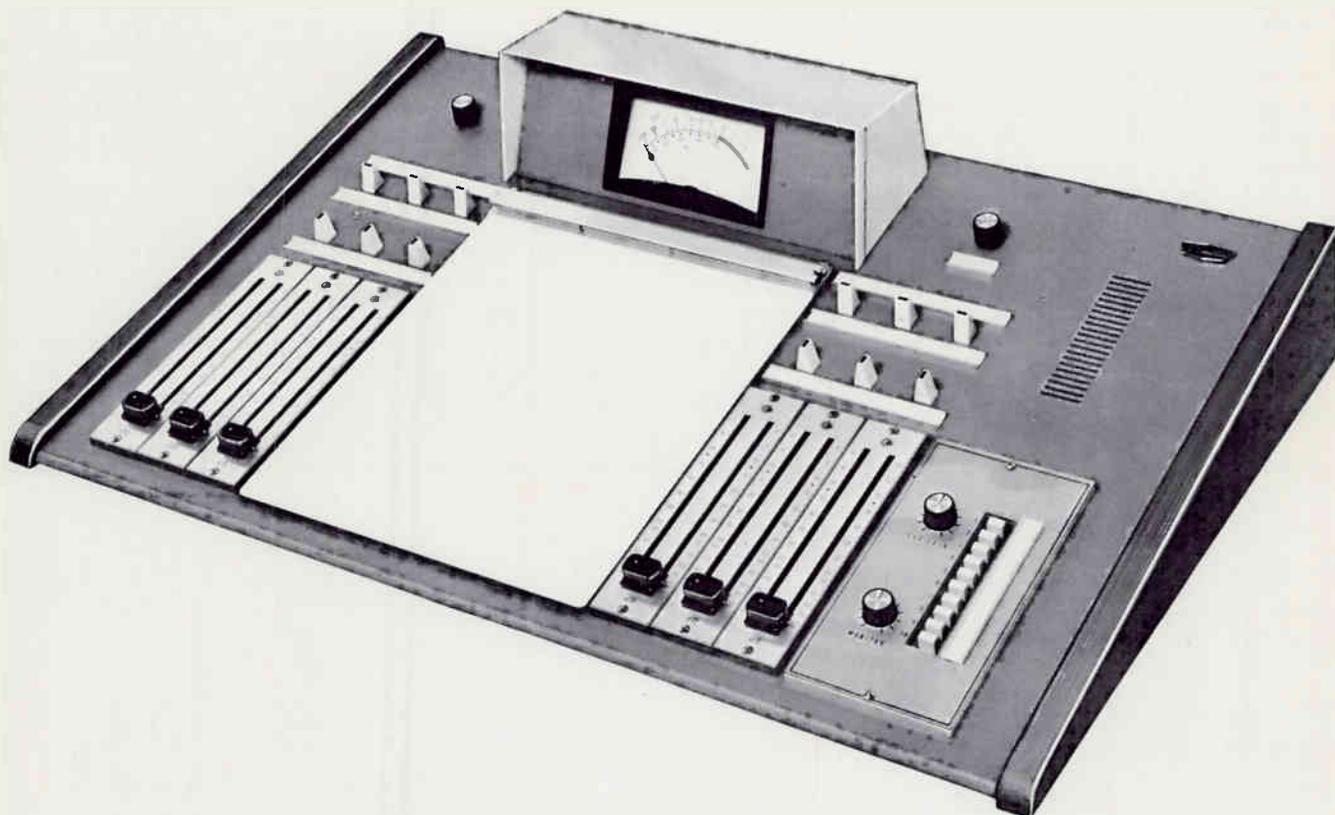
- Six mixer channels, all equipped with preamplifiers and slide attenuators.

- Two inputs per mixer channel, selectable by 3-way input keys (center OFF).

- Nine amplifiers and regulated power supply within console, all plug-in modules and completely silicon solid-state.

- Ten-position pushbutton cue assembly, complete with self-contained speaker-amplifier.

- Two external cue inputs.

- Monitor control and feed for external monitor amplifier (e.g., LSA608 or LSA609).

- Three additional unwired utility keys with provision to add three more.

- Desk-top dimensions 6 in. high, 18-1/2 in. deep, 28 in. wide.

DESCRIPTION

The SS4386 Audio Console is a six-mixer single-channel console providing professional facilities for the mixing, monitoring, and control of audio program material. The SS4386 is designed for installations not requiring the use of a full-size console, such as News Booth or Disc Jockey areas. In this regard, the SS4386 offers compactness and convenience while maintaining full broadcast specifications. These important features are achieved without over-miniaturization or crowding of internal and external components.

The SS4386 includes a comprehensive cue system and is self-powered by means of an internal, regulated, power supply. All amplifiers and the power supply are standard McCurdy plug-in modules incorporating proven silicon solid-state circuitry.

The SS4386 is designed for mounting in a cutout in a desk top (see Dimensional Outline Diagram). The extremely low silhouette permits the operator an unobstructed view into adjoining areas - a desired feature in many installations. Operating controls are arranged for optimum separation combined with grouping of related functions

to facilitate control. A script board with a roller-type holder provides an additional touch.

The control panel presents an attractive appearance with its combination of light blue acrylic, silver-gray, and ivory tones. Genuine oiled-walnut end bells add further contrast to enhance the appearance.

FACILITIES

The facilities of the SS4386 are shown in the Block Diagram. The console incorporates six mixer channels, one program channel, and a complete cue system, along with monitor and PA feeds.

Program Circuits

Each mixer accommodates two inputs, selectable by a three-position lever key. One position selects a low-level input (-60 vu, 150 ohms) and the other position selects a high-level input (0 vu, 600 ohms); the center position of the key is a terminated 'off' position. The key selections are identified by means of designation
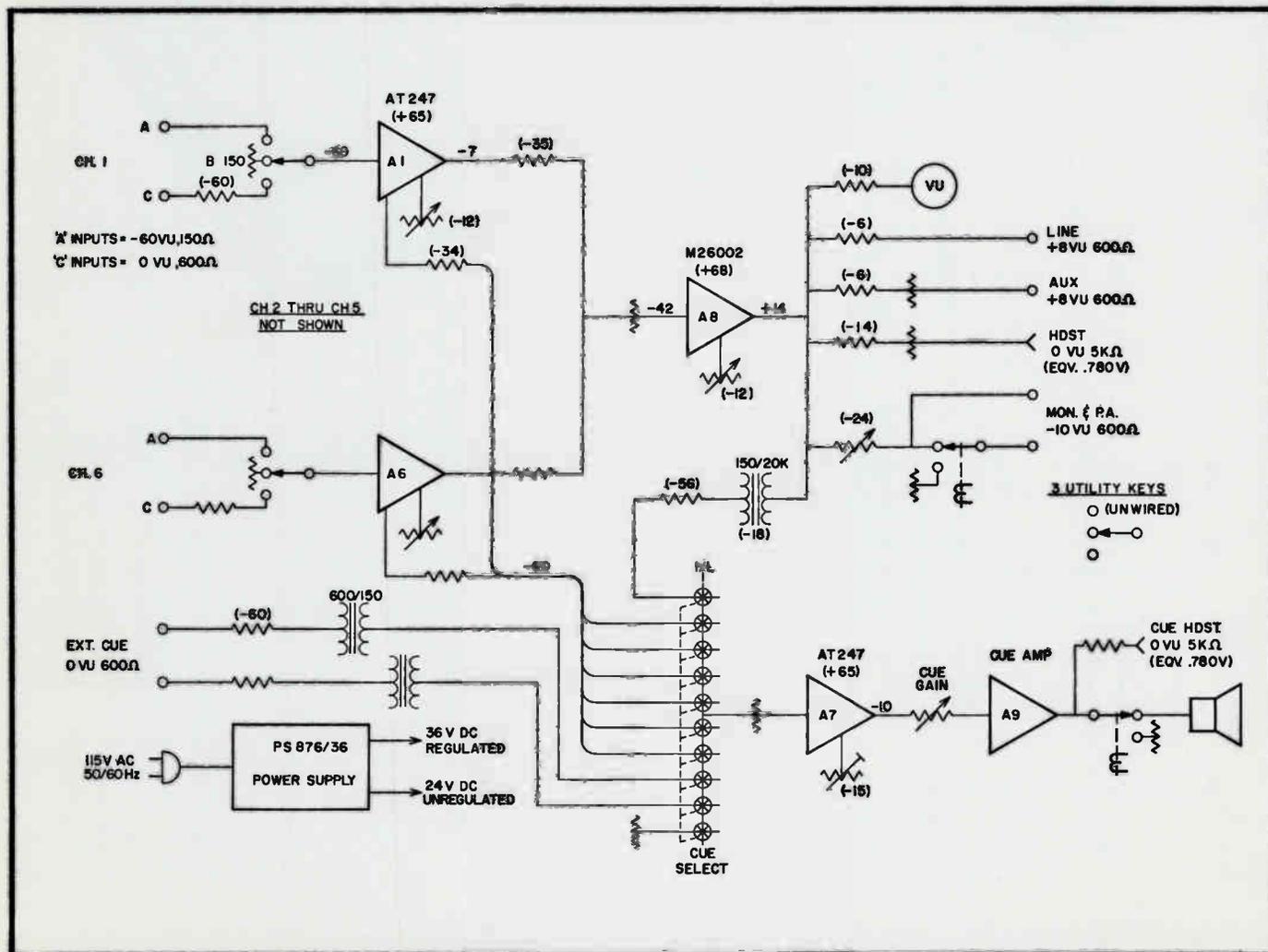
SS4386 Functional Block Diagram

strips, rather than engraving, so that the customer may designate these as desired.

The input channels employ McCurdy AT247 Amplifiers to raise the selected input to a higher level suitable for mixing. The mixing level is adjusted by means of slide attenuators which are connected in the interstage sections of the amplifiers.

The mixer bus feeds the single program channel which uses a McCurdy M26002 Program Amplifier. The final output level is adjusted by means of a high-quality potentiometer which controls the gain of the M26002. Two program output splits are provided, consisting of one Line output and one Auxiliary output, both at +8 vu, 600 ohms.

Monitoring and PA

Continuous visual monitoring of the program channel is provided by a full-size A-scale illuminated VU meter. Local aural monitoring is available at a headset jack (0 vu, 5K) located on the front of the console. In addition, two -10 vu 600-ohm outputs are provided for feeding external monitor and PA amplifiers. A muting relay for the monitor, and a common gain control for both outputs, are supplied as standard equipment. Complete 10-watt speaker-amplifier systems are available to accommodate these outputs (Model LSA608 or LSA609).

Cue System

Each preamplifier provides a continuous cue output which is taken off ahead of the mixer attenuator, while the program channel provides a cue output via a 20K bridging transformer. In addition, two external cue inputs are available. All cue lines are coupled through high-isolation pads to the cue pushbutton assembly for selection to the cue channel (the pushbuttons are interlocked). The AM436 Cue Amplifier supplies up to 2 watts to the console cue speaker, with a front panel control permitting level adjustment. A muting relay and a cue headset output are also provided.

Utility Keys

Three, three-position, utility keys are supplied as standard equipment, with provision to add three more as an extra-cost option. These can be used for dc control, intercom, etc. The utility keys are unwired on the standard console.
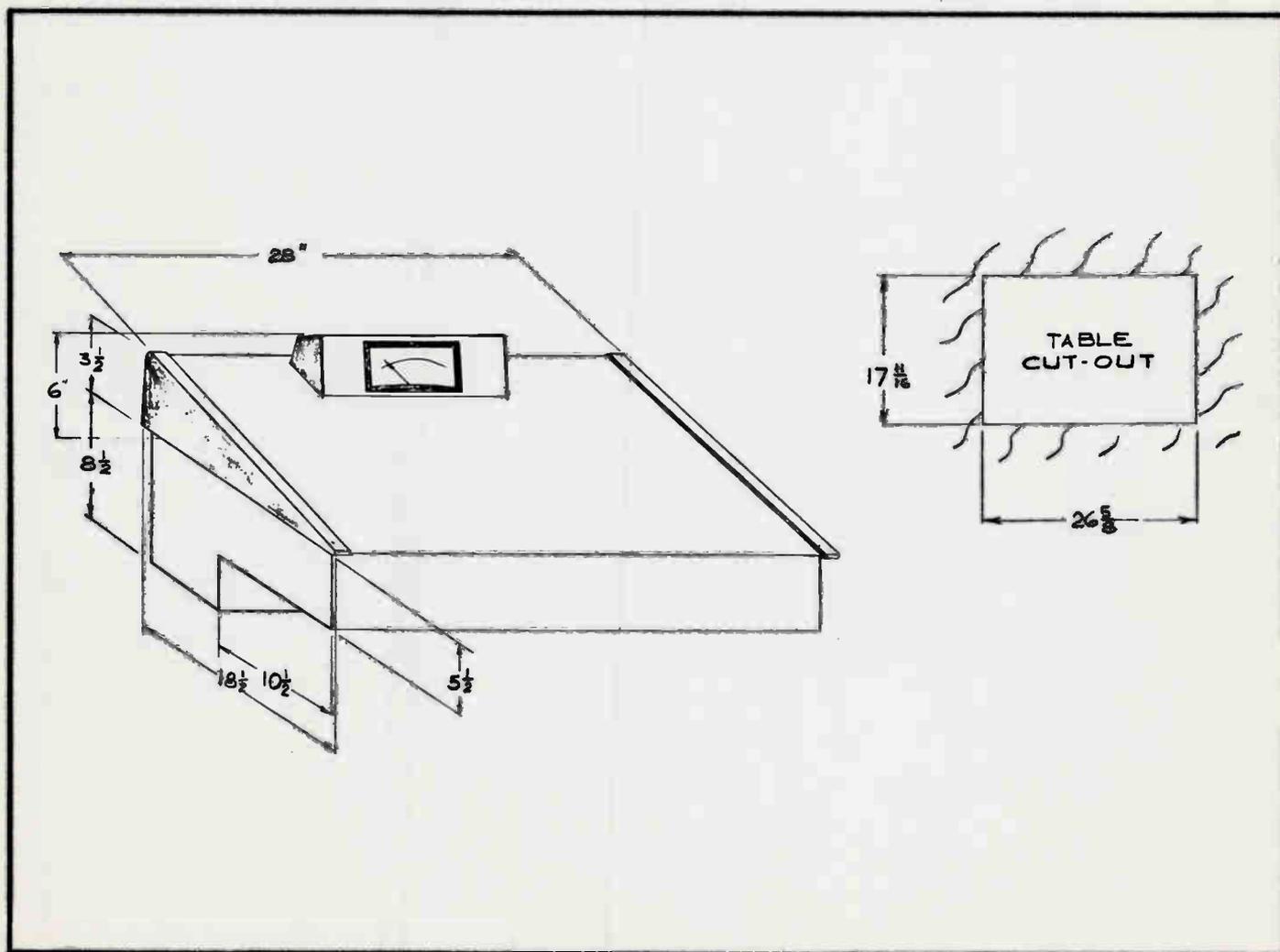
SS4386 Dimensional Outline Diagram

SPECIFICATIONS

INPUTS

(1) Six low-level inputs, -60 vu (-50 dBm) 150 ohms.

(2) Six high-level inputs, 0 vu (+10 dBm) 600 ohms.

(3) Two cue inputs, 0 vu (+10 dBm) 600 ohms.

OUTPUTS

(1) One program line output, +8 vu (+18 dBm) 600 ohms (matching).

(2) One auxiliary output, +8 vu (+18 dBm) 600 ohms (bridging).

(3) One program headset output, 0 vu (0.78v equiv.) 5,000 ohms.

(4) One program monitor output, -10 vu (0 dBm) 600 ohms. Muting relay included.

(5) One PA output, -10 vu (0 dBm) 600 ohms.

(6) One cue headset output, 0 vu (0.78v equiv.) 5,000 ohms.

(7) Built-in cue speaker, 2 watts (+33 dBm) max, 8 ohms.

MAXIMUM GAIN (± 1 dB)

(1) Low-level input to program output: 92 dB.

(2) High-level input to program output: 32 dB.

(3) Low-level input to monitor output: 84 dB.

(4) High-level input to monitor output: 24 dB.

FREQUENCY RESPONSE (ref 1 kHz)

For any input to program, monitor, or PA output at normal attenuator settings: ± 1 dB from 30 Hz to 15 kHz.

NOISE

Relative Input Noise: -122 dBm, unweighted, measured over 10 Hz to 100 kHz bandwidth at -3 dB points.

HARMONIC DISTORTION (at normal attenuator settings)

(1) For any input to program output: less than 0.5% from 30 Hz to 15 kHz at +18 dBm output.

(2) For any input to monitor output: less than 0.5% from 30 Hz to 15 kHz at 0 dBm output.

TRANSIENTS

The operation of any relay in the console will not degrade the noise figure by more than 6 dB.

POWER REQUIREMENTS

115v ac, 50/60 Hz, single phase, 30 va approximately.

AMBIENT TEMPERATURE

0°C to 55°C (32°F to 131°F)

OVERALL DIMENSIONS

28 in. (71.1 cm) wide, 18-1/2 in. (47 cm) deep, 6 in. (15.24 cm) high plus 8-1/2 in. (21.6 cm) projection below desk top.

ORDERING INFORMATION

STANDARD CONSOLE

The standard SS4386 Audio Console incorporates all the equipment shown in the Block Diagram.

The price listed for the standard console does not include optional equipment nor the installation of optional equipment.

OPTIONAL EQUIPMENT

(1) Up to three extra Utility Keys. Specify desired configuration (non-locking, locking, or combination of these).

(2) LSA608 or LSA609 10-Watt Speaker-Amplifier.

m
QUALITY AUDIO.

McCurdy

McCURDY RADIO INDUSTRIES

Total audio capability backed by facts.

'McCurdy Radio Industries can meet virtually every broadcast audio requirement with quality equipment and service.'

Most companies make strong statements concerning capability. McCurdy Radio Industries is no different. However, we do go one important step further. McCurdy backs its claims with solid, proven facts!

FACT NO. 1: MRI has the broadest line of standard products in the industry.

We've been producing and servicing broadcast audio equipment since 1948. That's longer than any other major audio system supplier. So it's no wonder MRI has the largest line of quality audio components. Like the company, our standard product range has grown over the years to cover almost every broadcast application.

This longevity has also given MRI the 'business insights' that come from experience. Thus, we are able to fulfill the industry's needs for today, and project what may be needed for the future.

FACT NO. 2: MRI maintains full, in-house manufacturing facilities.

In-house manufacturing at MRI means quality control in all phases of design, materials selection and fabricating. This control ensures strict adherance to the high standards set by McCurdy.

Our in-house capabilities start with complete design/engineering facilities for circuitry, PC boards, metalwork, woodwork and panels. Full equipment manufacturing, wiring and testing is done on the premises. This includes documentation, drafting, technical writing, manual reproduction and assembly. Plus, MRI provides R&D services through a separate research and development group.

Our metal fabricating operation is equipped with the latest automated metal-forming and welding equipment. We maintain a separate machine shop for short-run and custom metal requirements. There are two fully outfitted paint shops with the most up to date spray-painting and metal-finishing equipment. All panel screening is done in our completely equipped silkscreening shop and furniture-grade cabinetry and trim is produced in our sophisticated wood shop.

In conjunction with the McCurdy Group, MRI can also provide services in several other related broadcast fields. McCurdy Telecommunications Products Limited develops and supplies telephone line products for broadcasting, and AVL Digital provides video, digital control and computer equipment for broadcast applications.

This total in-house, in-company capability is a service no other supplier can offer.
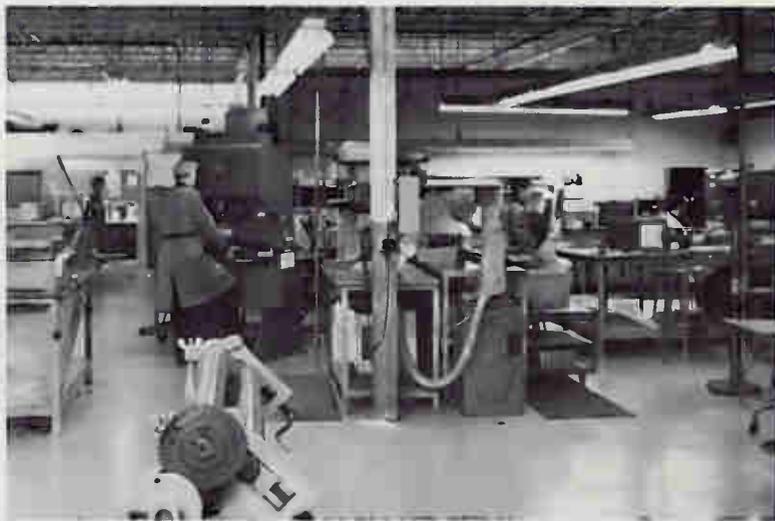
FACT NO. 3: MRI is capable of building any custom product or system.

MRI puts over 34 years of systems knowledge and engineering expertise to work on custom designs and equipment for any broadcast application. Our in-house facilities easily adapt to prototype development and situation simulation. MRI can pre-test equipment under exacting conditions. And, because we've produced so many custom systems, we may already have designs or equipment on-hand to suit a client's exact specifications.

With these advantages, MRI is able to supply finished custom products faster and more economically than any other supplier.

FACT NO.4: MRI has placed more complete broadcast audio systems than any other supplier.

We first introduced our revolutionary 'systems package' concept back in 1958. It was based on a simple premise: 'For the best audio results in broadcast situations, use components that are designed and manufactured to work together.'

All MRI products are developed with systems applications in mind. And, when the system design requires equipment not produced by McCurdy, we specify and supply the best brandname components for the job.

This combination of McCurdy quality products and the best names from every audio discipline in one complete system offers two distinct advantages. First, it ensures that all equipment works properly and in technical unison. Second, it ensures that all special connections, interfacing and operational requirements have been made to the client's specifications.

FACT NO. 5: MRI supplies parts, service and technical back-up for all equipment.

MRI stands behind what it sells. With customer service teams in Toronto and Chicago, we can come to a client's assistance with parts and any technical or engineering expertise required. And when McCurdy guarantees service support for life, we mean the entire life of the products.

Broad product range...in-house manufacturing...custom designs and fabricating... complete systems packages... and service.

These are the facts behind MRI's total audio capability. Include our reputation for quality in everything we do, and it all adds up to the best audio supply company in North America!

Contact the nearest McCurdy office for more detailed product information or to present any audio system requirement.

AUDIO CONSOLES

SS8900

All McCurdy audio consoles are constructed in a heavy-gauge all-welded steel housing finished in scratch-resistant, textured blue baked enamel. The control panels are finished in damage-resistant wood-grained vinyl clad steel inset into etched, extruded aluminum panels highlighted by engraved style strips. The end bell and VU housing are constructed of genuine hand-rubbed oiled walnut. Free-standing consoles are equipped with a padded armrest covered in durable black leather-grained vinyl. The front panel of all models can be easily raised by one person, giving free access to all internal components. McCurdy Radio Industries can also supply fully customized audio consoles and systems, designed to suit your particular requirements.

SS8900

Free standing modular console available in standard configurations of 16, 24 or 32 mixers with 4 or 8 submasters and 2 or 4 masters. Full assignment facilities and 4 auxiliary outputs for each mixer. Two microphone and two line inputs per channel with sensitivity/impedance selector providing full level adjustment. Full solo, cue, talkback and monitor facilities. A complete range of standard and optional features is available, including: stereo input channels, multi-frequency test and slating oscillators, equalizers, compressors, jackfields, etc.

SS8500

Free-standing modular, 10 mixer, stereo console. Two inputs per channel with a choice of input modules to accommodate virtually any input. Each

input is assignable to either or both of the two output channels. Complete cue, talkback, monitor, foldback and echo send facilities. A comprehensive range of optional features is available, including: oscillators, equalizers, compressors, input and mode selectors, remote controls, etc. Larger versions with up to 20 input channels are available on custom order as the SS8600 and SS8700.

SS8550

Economical, compact, free-standing modular, 10 mixer stereo console. Two inputs per channel with a choice of input modules to accommodate virtually any input. Complete cue, talkback and monitor facilities. Each unit is built with the full range of popular options pre-wired, allowing them to be supplied by merely inserting the modules into the spaces and connectors provided.

SS8670

Economical, compact, free-standing modular 16, 20 or 22 mixer stereo console. Two inputs per channel with a choice of input modules to accommodate virtually any input. Each input is assignable to either or both of the two output channels. Complete cue, monitor and talkback facilities along with 2 auxiliary and selectable mono-sum outputs. Each console is built with the full range of popular options prewired, allowing them to be supplied by merely inserting the modules into the spaces and connectors provided.

SS8500

SS8550

SS8670

SS8720

Free standing, modular, stereo console available with up to 22 mixers. Two inputs per channel with a choice of input modules to accommodate virtually any input. Each channel is fully assignable to the 2 master and up to 8 submaster outputs. Complete cue, monitor and talkback facilities along with 2 auxiliary and selectable mono-sum outputs. A comprehensive range of standard and optional features is available, including input and mode selectors, oscillators, equalizers, compressors, remote controls, etc.

SS8808

8 mixer, modular, stereo desk mounting console with two inputs per channel and a choice of modules for either microphone or high level inputs. Each input is assignable to either or both of the two output channels. One auxiliary output, selectable mono-sum outputs, complete cue, monitor and talkback facilities are provided. A complete range of features, including input selectors and assignable equalizers and compressors are available.

SS8816

16 mixer, modular, stereo desk mounting console with two inputs per channel and a choice of modules for either microphone or high level inputs. Each input is assignable to either or both of the two output channels. One auxiliary output, selectable mono-sum outputs, complete cue, monitor and talkback facilities are provided. A complete range of features, including input selectors and assignable equalizers and compressors are available.

SS8720

SS8816

SS8808

AUDIO DISTRIBUTION SYSTEMS

DA504

Audio distribution system consisting of power supply and up to six amplifiers, each with active-balanced 600 ohm bridging and summing input, gain contol and twelve, balanced 600 ohm output splits. In addition, a direct output on each amplifier may be utilized for a maximum of 10 additional, external output splits. DC remote gain control of each amplifier is available.
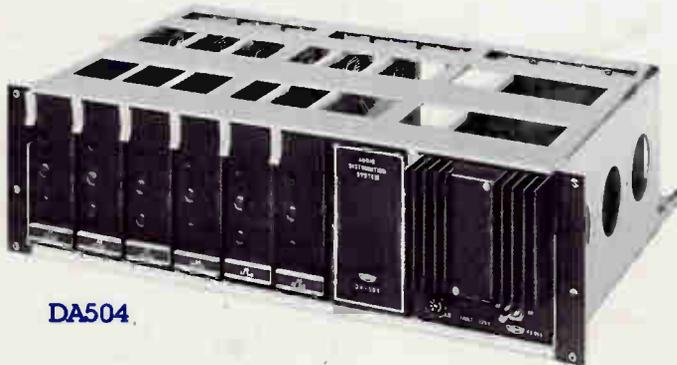
DA505

Audio distribution system consisting of up to six self-powered amplifiers, each with transformer-balanced 600 ohm input, gain control and multi-impedance output transformer capable of providing up to 75 balanced 600 ohm output splits. A wide range of input levels may be accommodated and DC remote gain control of each amplifier is available.

DA506

Audio distribution system consisting of power supply and up to six amplifiers, each with transformer-balanced 150 or 600 ohm input, gain control and transformer output providing eight 600 ohm or two 150 ohm output splits. A wide range of input levels may be accommodated.

DA507

Audio distribution system consisting of power supply and up to six dual (stereo) amplifiers, each with active balanced 600 ohm bridging and summing inputs, gain controls and active balanced outputs capable of driving up to six 600 ohm output splits. Thus one complete system provides 72 outputs, six splits each on 12 outputs.

DA504

DA506
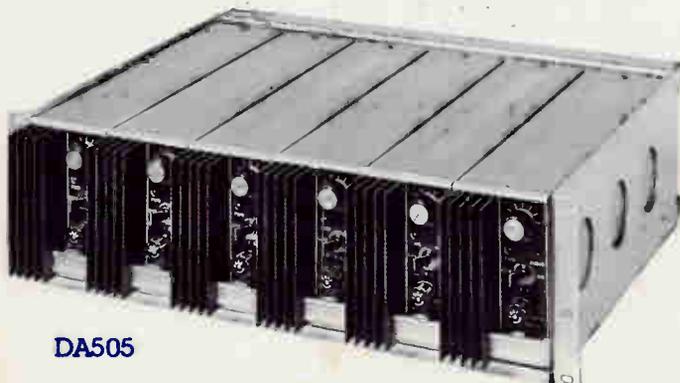
DA505

DA507

STUDIO EQUIPMENT

SS3160 STEREO DISC REPRODUCER

Self-contained stereo disc reproducer providing full facilities for broadcast applications. Complete with professional quality 3 speed direct drive turntable, plexiglass arm guard, tone arm, cartridge, preamplifiers, switching circuits and power supply. Cue output, provision for remote control and RIAA/roll-off selector provided. Local cue available. Housed in a sturdy steel cabinet with hinged front panel incorporating heavily damped shock mounts for the turntable and arm.

CS9100 10 x 10 INTERCOM SYSTEM

Complete 10 x 10 intercom system with power supply, preamplifiers with switchable AGC, matrix, main and auxiliary output amplifiers housed in a 5.25 in. standard frame. Featuring solid-state balanced crosspoints, each input switchable to accommodate carbon microphone, dynamic microphone or line, insert capability between matrix and preamplifier, full and partial output muting, all in/out connections on rear panel connectors and a full range of customizing options.

CS9200 20 x 20 INTERCOM SYSTEM

Complete 20 x 20 intercom system with power supply, preamplifiers with switchable AGC, matrix, main and auxiliary output amplifiers housed in three 5.25 in. standard frames occupying 15.75 in. of rack space. Incorporates the same features as the CS9100 and is also available with all in/out connections on terminal blocks as CS9220.

CS9000 INTERCOM SYSTEM

Custom intercom systems in matrix sizes to 120 x 120, incorporating features as described for the CS9100 designed to suit your specific requirements.
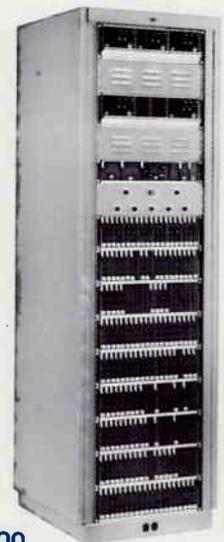
CS9400 DIGITAL INTERCOM SYSTEM

Digitally controlled, all solid-state, intercom system with a multitude of standard features. Customized to suit your specific requirements in matrix sizes from 25 x 20 to 240 x 240.
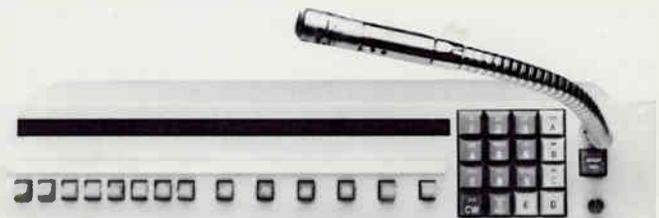

SS3160

CS9200

CS9000

CS9100

CS9400

SA147 DIGITAL COUNTER

Digital counter capable of counting up to a maximum time of 99 min. 59 sec. and of being remotely controlled from machine starts or manual control panel. Display unit mounts in console VU housing and the control panel mounts in remote control section of console panel.

SA148 DIGITAL CLOCK

Digital clock capable of displaying time in either 12 or 24 hour format on six-digit LED displays. Time can be conveniently set from the front panel with the aid of a pen or pencil. Self-contained clock and display mounts in the console VU housing.

SA145 STEREO REEL TAPE SWITCHER

Self-contained stereo tape switcher with power supply and monitoring facilities housed in a 3.5 in. standard rack mounting chassis. Provides switching from one of 15 stereo inputs to one high level stereo output with individual left and right gain controls. Switch-selectable monitoring provided for unit output or one of two additional inputs.

LSA610 SPEAKER-AMPLIFIER ASSEMBLY

High quality dual cone speaker housed in an acoustically designed cabinet finished in oiled walnut with integral 15 watt amplifier and level control. Features 15 degree reverse slope on cabinet for wall mounting, balanced or unbalanced bridging input and low-distortion wide range response.

SA14023 EXTENDED RANGE AUDIO LEVEL METER

An accurate, self-contained audio level meter accommodating inputs, in 2dB steps, from -50dBm to +30dBm for zero meter reading. Both bridging and matching, balanced, 600 ohm inputs and headset monitor outputs provided. Peak program meter available, in addition to VU meter. Housed in 3.5 in. standard rack mounting chassis.

AUDIO SWITCHERS

A complete line of switching cards is available, utilizing both solid-state and relay switching, discrete and BCD (digital) control in a wide range of configurations. Complete audio switching systems can be supplied, custom designed to your specifications, from the smallest to large complex systems.
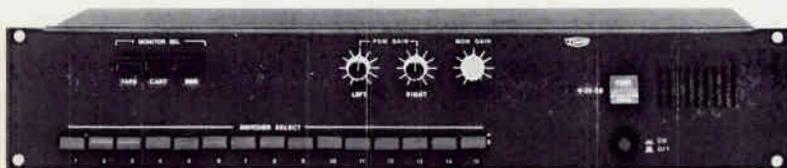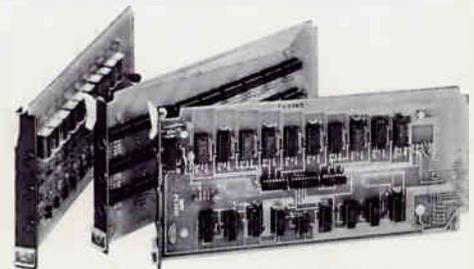

SA147
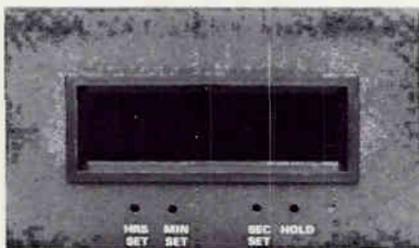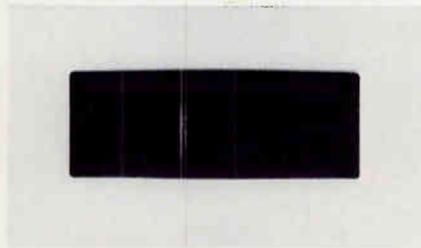
LSA610

SA148

SA14023

SWITCHERS

SA145

AMPLIFIERS

SA236 PHONO PREAMPLIFIER PACKAGE

Compact unit containing two phono preamplifiers, gain adjust switches, power supply and screw-type output terminal block. Features include: accurate RIAA equalization, matching to all popular cartridges, gain and high-frequency trim controls for exact stereo matching, mono/cue output and additional selectable 5kHz roll-off.

AT265 MINI-CUE AMPLIFIER

Compact 3.5 in. high rack mounting unit complete with power supply, speaker and 2 watt amplifier with gain control. Provides local speaker cue facilities in installations such as tape recorder/reproducer consoles.

AM416 UTILITY AMPLIFIER

Up to two low distortion wide range 15 watt amplifiers on a compact 3.5 in. high rack mounting unit; each amplifier supplied with individual gain control and power supply. Balanced or unbalanced bridging input and fully protected direct 8 ohm output. Input/output connections on screw terminal strips or optional XLR connectors.

AM484 MONITOR AMPLIFIER

Self-contained 20 watt monitor amplifier, standard rack mounting, 6 per 5.25 in. frame. Transformer balanced input circuit capable of handling a wide range of input levels, delay circuit for transient-free switch-on/off and output muting circuit. DC remote gain control available.

AM487 MONITOR/ DISTRIBUTION AMPLIFIER

Self-contained 20 watt monitor/ distribution amplifier, standard rack mounting, 6 per 5.25 in. frame. Transformer balanced input circuit capable of handling a wide range of input levels, delay circuit for transient-free switch-on/off, output muting circuit, multi-impedance output transformer. DC remote gain control available.

AM416

SA236

AT265

AM487

SYSTEMS

Technical harmony is essential to clear professional audio. All the components have to get along before the system can deliver its full potential.
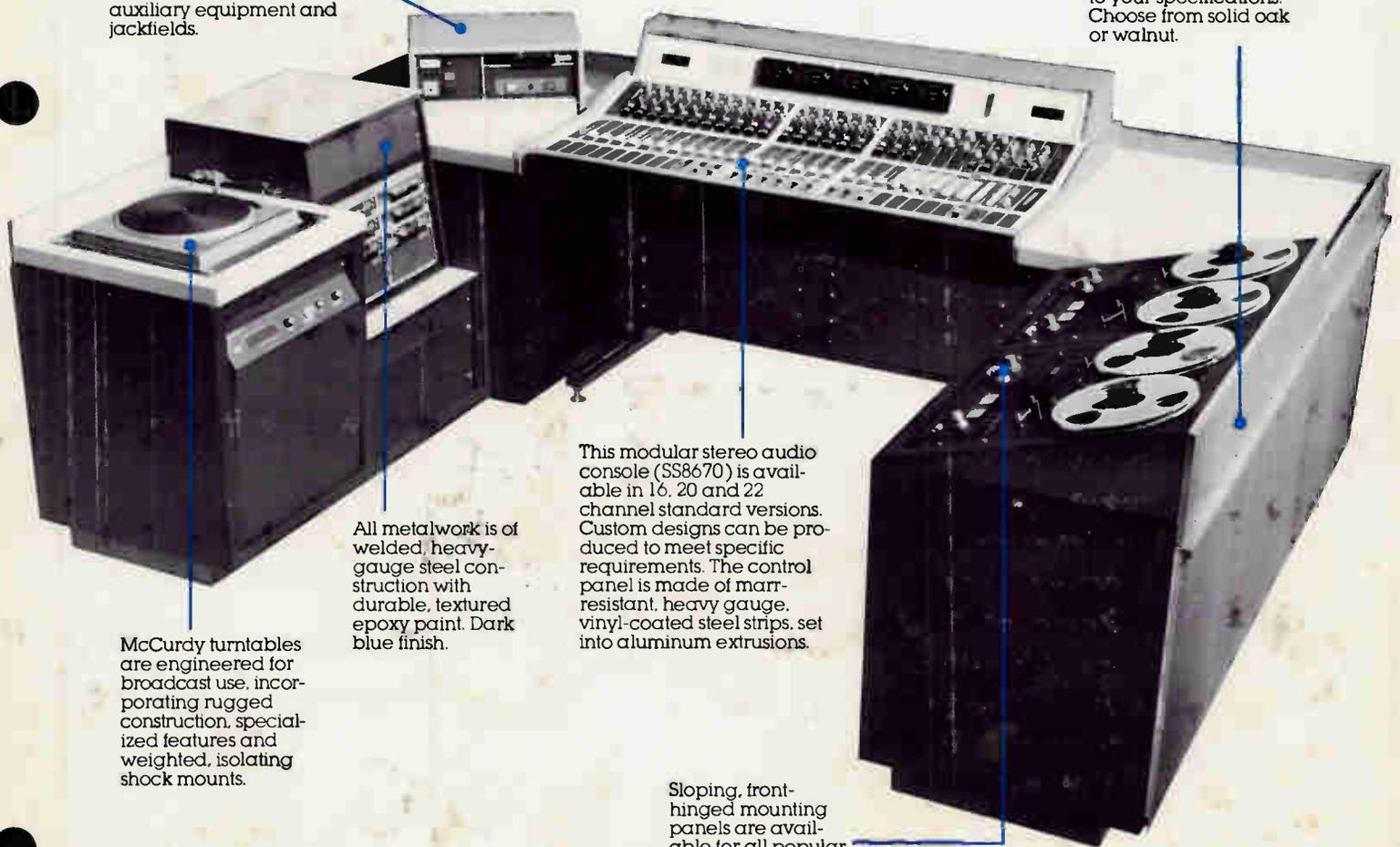
At McCurdy, we strongly believe in technical harmony. It's the basis on which we've built all our dependable, quality audio systems for over 30 years. And because McCurdy can supply the complete system, we can guarantee that it will work together and work right.

Whatever the audio requirement, a McCurdy system can fill the need with quality components. Take our consoles for example...from standard versions to custom models, we cover the complete range of audio applications. Or our turntables...the only turntable systems designed specifically for broadcast. And all McCurdy audio systems are available with various tape configurations, turrets and/or jackfields.

Let McCurdy put together a complete audio system for your broadcast application. McCurdy components get along so well, you'll agree they were made for each other. And the result of that is technical harmony...the best audio possible!

Convenient housings in matching woodwork are available in a range of sizes for cart machines, auxiliary equipment and jackfields.

High quality woodwork and trim is custom built to your specifications. Choose from solid oak or walnut.

McCurdy turntables are engineered for broadcast use, incorporating rugged construction, specialized features and weighted, isolating shock mounts.

All metalwork is of welded, heavy-gauge steel construction with durable, textured epoxy paint. Dark blue finish.

This modular stereo audio console (SS8670) is available in 16, 20 and 22 channel standard versions. Custom designs can be produced to meet specific requirements. The control panel is made of marr-resistant, heavy gauge, vinyl-coated steel strips, set into aluminum extrusions.

Sloping, front-hinged mounting panels are available for all popular reel tape machines.

ACCESSORIES

PPM02 PEAK PROGRAM METER

Accurate, sophisticated peak program meter assembly, meeting or exceeding all existing PPM specifications. Truly linear meter scale calibrated in 4dB divisions and capable of operation on all common console power supply voltages. Designed to replace VU meters in all McCurdy consoles and the majority of those produced by other manufacturers.

EQ8491 AND EQ8492 VARIABLE EQUALIZERS

Compact versatile equalizers featuring: high and low frequency boost/cut switches, unique presence equalization with variable frequency, 'Q', level and selection of positive or negative presence, switchable 60Hz rejection and in/out switch with LED indicator. Both versions are identical except for front panel dimensions.

EQ8793 AND EQ8993 VARIABLE EQUALIZERS

Compact units featuring continuously variable high, low and mid frequency equalization providing a boost or cut of 10dB. Switches incorporated for selection of 3kHz or 6kHz mid frequency and equalizer in/out. Both units are identical except for front panel dimensions.

## EQ8791 AND EQ8991 VARIABLE EQUALIZERS

Compact units featuring high, low and mid frequency equalization switches providing boost or cut of 10dB in 2dB steps. Switches incorporated for selection of 3kHz or 6kHz mid frequency and equalizer in/out. Both units are identical except for front panel dimensions.

EQ8792 AND EQ8992 VARIABLE EQUALIZERS

Versatile 4 band equalizers featuring: switch selected boost or cut of 15dB in 3dB steps; 5 switch selected high and low frequencies, continuously variable frequency and 'Q' for each of the two mid bands, switchable 60Hz rejection and equalizer in/out. Both units are identical except for front panel dimensions.

OT8493 AND OT8494 OSCILLATORS

Accurate, low-distortion multi-frequency oscillators for equipment alignment providing 19 selectable frequencies from 20Hz to 20kHz at 11 selectable output levels from -70dBm to +18dBm. The impedance of the balanced output varies with level selection, 150 ohm for microphone levels and 600 ohm for line levels. Both versions are identical except for front panel dimensions.
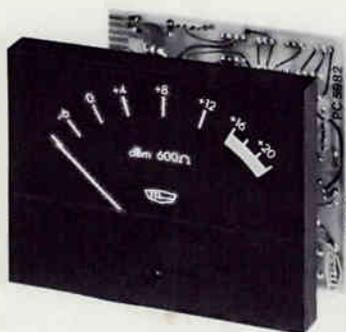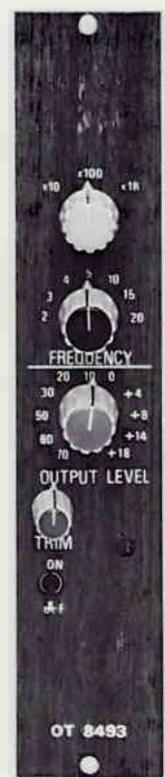

PPM02

EQ8491

EQ8793

EQ8991

EQ8992

OT8493

CP8496 AND CP8497 COMPRESSORS

Compact general purpose compressors featuring: variable input and output level; six switch-selectable compression ratios along with limiting, variable attack and release times; switches with LED indicators for compressor in/out and selection of either gain reduction or output level on external VU meter, connectable in pairs for stereo. Bot units are identical except for panel dimensions.

CP8796 AND CP8996 COMPRESSORS

Compact general purpose compressors featuring: variable input and output level; six switch-selectable compression ratios along with limiting, variable attack and release times; self indicating switch for com-pressor in/out and front panel LED display indicating gain reduction, connectable in pairs for stereo. Both units are identical except for panel dimensions.

OT156 OSCILLATOR

Accurate, low distortion, multi-frequency oscillator providing 22 selectable frequencies from 20Hz to 20kHz and preset type level control. Frequencies are selected by circuit board mounted programming switches.

SA10040 MODULAR ENCLOSURE

Versatile modular enclosure for mounting of auxiliary equipment, constructed of all-welded heavy gauge steel finished in durable textured baked enamel. Available with end bells, doors, blank top, turntable mounting board, turntable arm guard, tape recorder adaptor and a full range of blank panels.

SA10044 MODULAR ENCLOSURE

A sturdy all welded steel cabinet with sloping upper panel designed for mounting of cartridge machines or other auxiliary equipment with standard rack mounting. Finished in textured baked enamel with white formica top and shelf. Available with heavy-duty swivel casters.
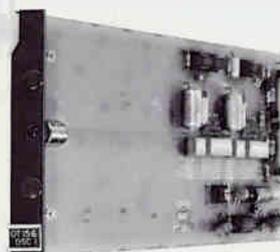
OT156

SA10044

CP8796
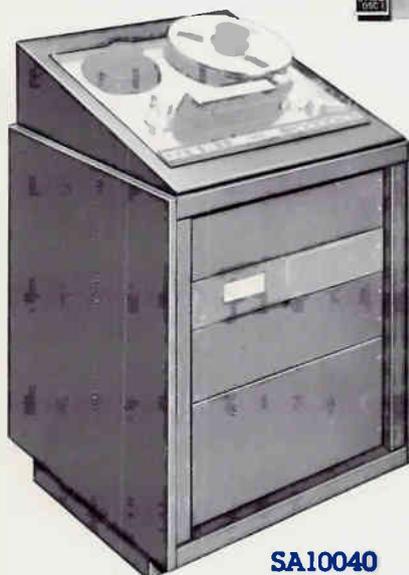
SA10040

SA10410 AND SA10420 EQUIPMENT RACKS

Rugged equipment racks constructed of heavy gauge steel finished in textured baked enamel. Includes a full length plugmold strip for AC power distribution and convenience outlet. Available in 22 in. and 25.5 in. depths. A full range of accessories, such as doors, side panels, top panels and blank panels is available.

ARISTOCART CARTRIDGE TAPES

Improved NAB type A cartridge tapes, meeting or exceeding all applicable specifications. Featuring unique design utilizing tape as a mechanical filter, improved tape brake and guide arrangement and two-piece Lexan housing. Offering minimal wow & flutter, exceptionally accurate tape indexing and uniformity of characteristics.

SA10900S PREWIRED JACKFIELDS

A standard rack mounting jackfield, with designation strip, containing 24 tip-ring-sleeve jacks wired to a 5 row 24 position terminal block with shielded cable. Including terminal block mounting bars and available with four different lengths of interconnecting cable. Accessory patch cords available in 1ft., 2ft., 3ft. and 6ft. lengths.

ST1913 SPECTRUM TRANS-LATOR TRANSMITTER

Compact and rugged portable unit featuring: power from standard 9 volt batteries or AC line; spectrum translation providing gain of over two octaves compared to standard telephone transmission; compandorized signals for up to 14dB of noise improvement; automatic gain-set and tally back and remote control of tape machines.

ST1916 SPECTRUM TRANS-LATOR RECEIVER

Compact 1.75 in. high rack mounting package incorporating: automatic gain setting; demodulation of translated signal; a compandor complementing that in the ST1913; control of tape machines from remote ST1913; built in equalizer with variable frequency and 'Q'; automatic line disconnect and automatic tally.
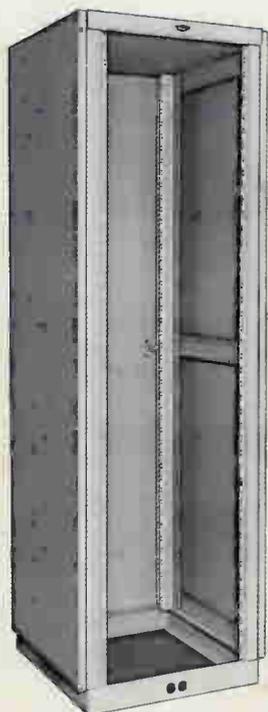
ST1913

ST1916

SA10900S

SA10410
SA10420

McCurdy Radio Industries produces many more modules, amplifiers and assemblies than have been outlined in this catalog—a few of them are shown below. These are used as tools in audio systems design, enabling our systems engineers to draw from the most comprehensive range of products in the audio industry. Allowing us to custom tailor, without compromise, an audio system to your exact requirements.

THE McCURDY GROUP OF COMPANIES

McCURDY RADIO INDUSTRIES LIMITED,
108 Carnforth Road, Toronto, Ontario, M4A 2L4

> Head office and executive administration of entire group. Engineering, manufacturing and documentation of all broadcast audio products and systems. Sales engineering and customer service for all markets except U.S.A.

McCURDY RADIO INDUSTRIES INC.
1711 Carmen Drive, Elk Grove Village, Illinois, 60007

> United States head office providing administration, sales engineering and customer service on broadcast audio products and systems for U.S. market.

ELECTRONIC METALFORM INDUSTRIES LIMITED,
435 Steelcase Road, Markham, Ontario, L3R 2M2

> Precision sheet metal fabrication specializing in high quality products for the electronic industry. Modern facilities include the latest in numerical-control punching and forming equipment and complete spray-painting line. Suppliers to all McCurdy companies as well as outside customers.

McCURDY TELECOMMUNICATIONS PRODUCTS LIMITED,
70 Milner Avenue, Unit 4, Scarborough, Ontario, M1S 3B2

> Administration, engineering, manufacturing and documentation of specialized audio products and systems for the telecommunication industry, including sales engineering and customer service.

AVL DIGITAL LIMITED,
70 Milner Avenue, Unit 5, Scarborough, Ontario, M1S 3B2

> Administration, engineering, manufacturing and documentation of digital products and systems for the broadcast industry, including sales engineering and customer service. Products include: complete computer controlled automation systems, automated and semi-automated audio and video switchers and other sophisticated products for both audio and video markets.

C & K INDUSTRIAL PAINTING INC.
1940 Ellesmere Road, Unit 20, Scarborough, Ontario M1H 2V7

> Manufacturing of standard and custom jackfield, patch cords and interconnecting cables. High quality spray painting in all colours of baked enamel, specializing in splatter and textured finishes.

WESTERN CANADA REPRESENTATIVE:
Westronic Engineering Sales Ltd.

Seven West Seventh Avenue, Vancouver, British Columbia, VY5 1L4
7056A Farrell Road S.E., Calgary, Alberta, T2H O2T

EUROPEAN REPRESENTATIVE:
Seltech Equipment Limited

16 York Road, Maidenhead, Berkshire, England SL6 1SF

McCURDY RADIO INDUSTRIES LIMITED
108 CARNFORTH ROAD, TORONTO, ONTARIO M4A 2L4 (416) 751-6262, TELEX 06-963533, TWX 610-492-1373

McCURDY RADIO INDUSTRIES INC.
1711 CARMEN DRIVE, ELK GROVE VILLAGE, ILLINOIS 60007, (312) 640-7077, TWX 910-222-0436