Even though our place has been busy around the clock, we still haven’t forgotten that the true success of a studio is determined by the number of happy clients. For us, that’s 100%. Maybe it’s because we’re in Orlando. Maybe it’s our beautiful facility. Or just maybe it’s because we still believe that the difference is how you’re handled. Call or write for our brochure.

BEE JAY RECORDING STUDIOS
5000 EGGLESTON AVE. • ORLANDO, FLORIDA 32810 • (305) 293-1781
INSTALLATION, DESIGN AND CONSULTATION BY VALLEY AUDIO SERVICES, NASHVILLE, TENNESSEE
More Of Everything...

By JIM McCULLAUGH

Billboard's International Recording Equipment & Studio Directory has become a key tool for this rapidly growing industry.

Reflecting the industry's growth and diversification this year's Directory has more equipment listings, more studio listings and more producer listings. In addition, two new geographical areas—Australia and the Bahamas—have been added to the international listings.

The Services feature has been sub-grouped into Audio, Video and Film categories, indicating to what degree a studio is specializing in these related areas. Studios with digital audio recording capability are also indicated. Special features such as sauna, Jacuzzi, game room, and other environmental ambience are also broken out this year.

Almost 700 U.S. and Canadian studios responded to the annual brand name equipment survey—more studios than ever before—underscoring not only the expanding U.S. and Canadian recording studio universe but those studios' increasing willingness to participate in this valuable index for equipment makers and marketers, as well as end users such as producers and artists.

It should be noted that the survey is not meant to be a manufacturer share of market study. It merely reflects equipment brand usage by studios responding to the annual Billboard questionnaire. But, obviously, the greater the universe, the greater import the figures have for both manufactures and studios.

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SALES STAFF

Sales Director: Tom Noonan (L.A.), Hunter Sales Manager: Ron Willman (N.Y.); U.K./European Sales Coordinator: Graham Lockhart; European Sales Consultant: Andre Devleek (London)

U.S. Sales Staff: Chicago—Jim Bender; Los Angeles—Joe Fleishman, Harvey Geller, Jen Logan; Nashville—John McCartney; New York—Mickey Addy, Norm Berkowitz, Ron Carpenter, Michael Littleford

U.S. EQUIPMENT BRAND USAGE SURVEY

This special Billboard survey of recording studio equipment usage was compiled from questionnaires returned by 669 U.S. studios from June through August 1979. Not necessarily reflecting the exact total situation in U.S. studios, the calculations for most equipment categories are a weighted figure based on the number of studios using the equipment and the total number of items as reported to us.

The categories Audio Tape/Recording, Blank Disks, and Noise Reducers are based on a percentage of brand responses against total category voting response. Since many studios voted for more than one brand per category, the percentages on these add up to more than 100%. Because percentages are rounded off, most charts will not add up to 100%.

open reel recorders

1. Fewer than 16 tracks

- Ampex: 31%
- Studer/Revox: 15%
- Teac/Tascam: 14%
- Scully: 13%
- MCI: 9%
- 3M: 5%
- Otari: 4%
- Other: 12%

2. 2-16 or more tracks

- MCI: 38%
- Ampex: 25%
- 3M: 19%
- Studer: 9%
- Scully: 4%
- Stephens: 2%
- Other: 4%

audio tape/recording

- Ampex: 76%
- Scotch: 46%
- Agfa: 9%
- Maxell: 6%
- TDK: 3%
- Other: 3%

consoles

- MCI: 16%
- Teac/Tascam: 11%
- Custom: 9%
- API: 6%
- Neve: 5%
- Harrison: 4%
- Sound Workshop: 3%
- Quad-Eight: 3%
- Tangent: 3%
- Audionics: 3%
- Quantum: 2%
- Spectra Sonics: 2%
- Sphere: 2%
- Soundcraft: 2%
- Allen & Heath: 1%
- Other: 28%

speakers

- JBL: 35%
- Altec: 18%
- Auratone: 15%
- Electro-Voice: 6%
- Audiotechniques Red Series: 4%
- Westlake Audio: 3%
- UREI: 3%
- Advent: 1%
- KLH: 1%
- Klipsch: 1%
- Sierra: 1%
- Altec-Mastering Lab Crossover: 1%
- Other: 10%
More Than Great Specs, Great Ideas.

For the past three years we've been telling you about the benefits of using graphic equalizers, now we've made it even easier to appreciate them. Introducing the MXR Dual Fifteen and Thirty-One Band Equalizers. Two equalizers designed with the imagination and understanding to solve your toughest equalization problems. Designed for use in either studios or sound reinforcement situations, our new eqs offer features not previously available at any one.

The Dual Fifteen Band Eq features two channels of equalization with the bands set two-thirds of an octave apart. By breaking the frequencies down further than conventional octave equalizers, you now have the flexibility to contour your music with much greater selectivity. As most musical information occurs in the midrange, this is where you need even more definition, and the Dual Fifteen Band Eq gives you six bands of contour in this area rather than the usual four. In addition, each channel has its own level control.

The Thirty-One Band Eq divides the frequency spectrum even further. A single channel unit, the Thirty-One Band features frequency bands set one-third of an octave apart, generally regarded to be the optimum amount of resolution.

When used in conjunction with any PA system, our equalizers can make a bad environment sound good, and a good performance sound great. Unlike parametric equalizers, the frequency response change is immediate and easily visible, so that when you shape a response curve you know what it's going to sound like.

Both units feature a range of -12 to +12 decibels on each band, standard 19" rack mount, and the rugged construction you always get with an MXR product. Both units also feature phone plug input/output connections, (the Thirty-One Band also features Cannon type XLRs), high slew rate (2V/microsecond), and incredibly low noise (better than -96 dB). But not only do we offer great specifications, we produce great ideas... you wouldn't expect any less from us.


MXR
Professional
Products Group

---

circle 75 on reader service card
### amps

<table>
<thead>
<tr>
<th>Brand</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crown</td>
<td>32%</td>
</tr>
<tr>
<td>McIntosh</td>
<td>16%</td>
</tr>
<tr>
<td>BGW</td>
<td>11%</td>
</tr>
<tr>
<td>Phase Linear</td>
<td>6%</td>
</tr>
<tr>
<td>Dynaco</td>
<td>5%</td>
</tr>
<tr>
<td>Marantz</td>
<td>3%</td>
</tr>
<tr>
<td>SAE</td>
<td>3%</td>
</tr>
<tr>
<td>Altec</td>
<td>2%</td>
</tr>
<tr>
<td>Harman/Kardon</td>
<td>2%</td>
</tr>
<tr>
<td>Yamaha</td>
<td>2%</td>
</tr>
<tr>
<td>JBL</td>
<td>2%</td>
</tr>
<tr>
<td>Spectra Sonics</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>15%</td>
</tr>
</tbody>
</table>

### blank disks

<table>
<thead>
<tr>
<th>Brand</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transco</td>
<td>60%</td>
</tr>
<tr>
<td>Audiodisc-Capitol</td>
<td>58%</td>
</tr>
<tr>
<td>Allied</td>
<td>16%</td>
</tr>
<tr>
<td>Pryal</td>
<td>12%</td>
</tr>
<tr>
<td>Other</td>
<td>7%</td>
</tr>
</tbody>
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### lathes

<table>
<thead>
<tr>
<th>Brand</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neumann</td>
<td>34%</td>
</tr>
<tr>
<td>Scully</td>
<td>31%</td>
</tr>
<tr>
<td>Presto</td>
<td>15%</td>
</tr>
<tr>
<td>Rek-O-Kut</td>
<td>5%</td>
</tr>
<tr>
<td>Westrex</td>
<td>4%</td>
</tr>
<tr>
<td>Fairchild</td>
<td>4%</td>
</tr>
<tr>
<td>Other</td>
<td>8%</td>
</tr>
</tbody>
</table>

### mixers/portable

<table>
<thead>
<tr>
<th>Brand</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shure</td>
<td>22%</td>
</tr>
<tr>
<td>Teac/Tascam</td>
<td>14%</td>
</tr>
<tr>
<td>Ampex</td>
<td>11%</td>
</tr>
<tr>
<td>Sony</td>
<td>7%</td>
</tr>
<tr>
<td>Tapco</td>
<td>7%</td>
</tr>
<tr>
<td>Altec</td>
<td>5%</td>
</tr>
<tr>
<td>Custom</td>
<td>4%</td>
</tr>
<tr>
<td>Yamaha</td>
<td>3%</td>
</tr>
<tr>
<td>Gateley</td>
<td>3%</td>
</tr>
<tr>
<td>Other</td>
<td>21%</td>
</tr>
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### microphones

<table>
<thead>
<tr>
<th>Brand</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neumann</td>
<td>22%</td>
</tr>
<tr>
<td>AKG</td>
<td>18%</td>
</tr>
<tr>
<td>Shure</td>
<td>17%</td>
</tr>
<tr>
<td>Electro-Voice</td>
<td>15%</td>
</tr>
<tr>
<td>Sennheiser</td>
<td>10%</td>
</tr>
<tr>
<td>Sony</td>
<td>7%</td>
</tr>
<tr>
<td>Beyer</td>
<td>5%</td>
</tr>
<tr>
<td>RCA</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>5%</td>
</tr>
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</table>

### cutting

<table>
<thead>
<tr>
<th>Brand</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neumann</td>
<td>37%</td>
</tr>
<tr>
<td>Haeeco/Westrex</td>
<td>30%</td>
</tr>
<tr>
<td>Grampian</td>
<td>12%</td>
</tr>
<tr>
<td>Ransteele</td>
<td>3%</td>
</tr>
<tr>
<td>Fairchild</td>
<td>2%</td>
</tr>
<tr>
<td>Ortofon</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>14%</td>
</tr>
</tbody>
</table>

### microphone mixers

<table>
<thead>
<tr>
<th>Brand</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shure</td>
<td>35%</td>
</tr>
<tr>
<td>Custom</td>
<td>7%</td>
</tr>
<tr>
<td>Sony</td>
<td>7%</td>
</tr>
<tr>
<td>Ampex</td>
<td>6%</td>
</tr>
<tr>
<td>Teac/Tascam</td>
<td>6%</td>
</tr>
<tr>
<td>Altec</td>
<td>5%</td>
</tr>
<tr>
<td>Tapco</td>
<td>4%</td>
</tr>
<tr>
<td>Other</td>
<td>31%</td>
</tr>
</tbody>
</table>
Technics RS-M85 MK2 with metal tape. We pushed performance to a new high. But kept the old price.*
## U.S. EQUIPMENT BRAND USAGE SURVEY (CONT.)

### echo / reverbs

<table>
<thead>
<tr>
<th>Brand</th>
<th>Usage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMT</td>
<td>33%</td>
</tr>
<tr>
<td>AKG</td>
<td>17%</td>
</tr>
<tr>
<td>Live Chambers</td>
<td>13%</td>
</tr>
<tr>
<td>MICMIX</td>
<td>8%</td>
</tr>
<tr>
<td>Orban</td>
<td>6%</td>
</tr>
<tr>
<td>Fairchild</td>
<td>6%</td>
</tr>
<tr>
<td>Tapco</td>
<td>3%</td>
</tr>
<tr>
<td>Sound Workshop</td>
<td>3%</td>
</tr>
<tr>
<td>Lexicon</td>
<td>2%</td>
</tr>
<tr>
<td>Fisher</td>
<td>2%</td>
</tr>
<tr>
<td>Quad-Eight</td>
<td>4%</td>
</tr>
<tr>
<td>Tape Recorders Asst</td>
<td>1%</td>
</tr>
<tr>
<td>Roland</td>
<td>1%</td>
</tr>
<tr>
<td>Custom</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>7%</td>
</tr>
</tbody>
</table>

### noise reducers

<table>
<thead>
<tr>
<th>Brand</th>
<th>Usage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>dbx</td>
<td>73%</td>
</tr>
<tr>
<td>Dolby</td>
<td>62%</td>
</tr>
<tr>
<td>Kepex-Allison Research</td>
<td>6%</td>
</tr>
<tr>
<td>Burwen</td>
<td>3%</td>
</tr>
<tr>
<td>Other</td>
<td>7%</td>
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</table>

### headphones

<table>
<thead>
<tr>
<th>Brand</th>
<th>Usage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Koss</td>
<td>30%</td>
</tr>
<tr>
<td>AKG</td>
<td>26%</td>
</tr>
<tr>
<td>Sennheiser</td>
<td>18%</td>
</tr>
<tr>
<td>Beyer</td>
<td>5%</td>
</tr>
<tr>
<td>Sony</td>
<td>4%</td>
</tr>
<tr>
<td>Pioneer</td>
<td>3%</td>
</tr>
<tr>
<td>Supereq</td>
<td>2%</td>
</tr>
<tr>
<td>Culver</td>
<td>2%</td>
</tr>
<tr>
<td>Telex</td>
<td>1%</td>
</tr>
<tr>
<td>Yamaha</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>6%</td>
</tr>
</tbody>
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### synthesizers

<table>
<thead>
<tr>
<th>Brand</th>
<th>Usage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP</td>
<td>39%</td>
</tr>
<tr>
<td>Moog/Norin</td>
<td>25%</td>
</tr>
<tr>
<td>Korg/Unicond</td>
<td>5%</td>
</tr>
<tr>
<td>Oberheim</td>
<td>5%</td>
</tr>
<tr>
<td>Roland</td>
<td>4%</td>
</tr>
<tr>
<td>EML</td>
<td>4%</td>
</tr>
<tr>
<td>Sequential Circuit</td>
<td>2%</td>
</tr>
<tr>
<td>Yamaha</td>
<td>2%</td>
</tr>
<tr>
<td>Cat</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>15%</td>
</tr>
</tbody>
</table>

### compressors / limiters

<table>
<thead>
<tr>
<th>Brand</th>
<th>Usage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>UREI/UA/Teletronix</td>
<td>47%</td>
</tr>
<tr>
<td>dbx</td>
<td>38%</td>
</tr>
<tr>
<td>Allison Gain Brain-Kepek</td>
<td>11%</td>
</tr>
<tr>
<td>Spectra Sonics</td>
<td>3%</td>
</tr>
<tr>
<td>Neve</td>
<td>2%</td>
</tr>
<tr>
<td>Eventide</td>
<td>1%</td>
</tr>
<tr>
<td>ADR/Acoustic Research</td>
<td>1%</td>
</tr>
<tr>
<td>Ashly</td>
<td>1%</td>
</tr>
<tr>
<td>MXR</td>
<td>1%</td>
</tr>
<tr>
<td>API</td>
<td>1%</td>
</tr>
<tr>
<td>Fairchild</td>
<td>1%</td>
</tr>
<tr>
<td>Inovonics</td>
<td>1%</td>
</tr>
<tr>
<td>Orban</td>
<td>5%</td>
</tr>
<tr>
<td>Parasound</td>
<td>10%</td>
</tr>
<tr>
<td>Other</td>
<td>10%</td>
</tr>
</tbody>
</table>

### delay systems

<table>
<thead>
<tr>
<th>Brand</th>
<th>Usage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evenlde</td>
<td>35%</td>
</tr>
<tr>
<td>Lexicon</td>
<td>17%</td>
</tr>
<tr>
<td>MXR</td>
<td>9%</td>
</tr>
<tr>
<td>Deltalab</td>
<td>7%</td>
</tr>
<tr>
<td>UREI</td>
<td>5%</td>
</tr>
<tr>
<td>Marshall</td>
<td>5%</td>
</tr>
<tr>
<td>Tape Recorder Asst</td>
<td>4%</td>
</tr>
<tr>
<td>Loft</td>
<td>3%</td>
</tr>
<tr>
<td>EMT</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>13%</td>
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</tbody>
</table>

### turntables

<table>
<thead>
<tr>
<th>Brand</th>
<th>Usage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technics</td>
<td>28%</td>
</tr>
<tr>
<td>Thorens</td>
<td>9%</td>
</tr>
<tr>
<td>Dual</td>
<td>8%</td>
</tr>
<tr>
<td>Sony</td>
<td>6%</td>
</tr>
<tr>
<td>Pioneer</td>
<td>6%</td>
</tr>
<tr>
<td>QRK</td>
<td>6%</td>
</tr>
<tr>
<td>Philips</td>
<td>5%</td>
</tr>
<tr>
<td>Garrard</td>
<td>4%</td>
</tr>
<tr>
<td>Rek-O-Kut</td>
<td>4%</td>
</tr>
<tr>
<td>Rusco</td>
<td>3%</td>
</tr>
<tr>
<td>JVC</td>
<td>2%</td>
</tr>
<tr>
<td>Acoustic Research</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>20%</td>
</tr>
<tr>
<td>Other</td>
<td>20%</td>
</tr>
</tbody>
</table>
Recording Studio Equipment Company
is your full-service dealer for MCI and other fine recording equipment. Our experience in installing and maintaining MCI equipment has made us Florida’s biggest fans of these consoles and tape machines.

Write for free 210 page catalog.

Recording Studio Equipment Company
18917 N. E. 5th Avenue
North Miami Beach, Florida 33179
Phone (305) 945-9774

Sales, Leasing and Service of MCI and other fine equipment
EVERY YEAR
UNITED WAY VOLUNTEERS WORK TIME AND A HALF SO YOU'RE NOT BOTHERED TIME AND AGAIN.

Once a year—and only once—United Way raises money to support really needed human services.

And once is enough, thanks to the outstanding efforts of the dedicated people who work without pay for United Way each year. Because one efficiently run campaign not only minimizes fund-raising costs and volunteer time devoted to fund-raising. It also reduces the number of times you're contacted each year.

United Way's continued success year after year proves a very basic point. When you ask the American people for help, they respond.

Thanks to you it works. For all of us. United Way
SONY INTRODUCES WIRELESS MICROPHONE SYSTEMS WITH AN INNOVATION NOBODY ELSE HAS: SIGNIFICANTLY BETTER SOUND.

Until now, using a wireless microphone system meant sacrificing the quality of the sound in a trade-off for portability.

No more.

Sony has engineered wireless microphone systems as portable and versatile as any on the market.

But with a very big difference. Excellent sound.

To begin with, Sony offers a wider dynamic range than any other wireless system, a range of 96 dB. This accommodates sound pressure levels up to 130 dB. (While most other wireless systems have limiters which hold their dynamic range to, at most, 75 dB, Sony engineering has produced a system that requires no limiters.)

So what goes into the microphone comes out again at the same sound level. And nothing takes away from the thrill of performance.

What’s more, audio distortion is less than 0.1% and signal-to-noise ratio is better than 57 dB (both ±2.4 kHz deviation, at 1 kHz).

And the new Sony systems are virtually drift-free. Frequency stability is an amazing ±0.005%.

Furthermore, Sony wireless systems are available with up to 14 channels in UHF, which means that interference from other sound sources is much less likely than at lower frequencies.

And while many wireless systems are put together with a mixture of components from several manufacturers, Sony uses only one: Sony.

So we’ve been able to create fully integrated systems that offer you a wide variety of options.

For EFP and ENG, Sony’s system includes a tiny lavaliere mike, a transmitter about the size of a cigarette pack and a tuner smaller than a paperback book.

The system also comes with a shoulder-strap antenna and a leather carrying case. Altogether, it’s compact and efficient and offers outstanding sound.

For studio and stage use, Sony has a modular rack-mounted system that can be engineered in any combination you want, from single-channel to multi-channel diversity reception.

It can be portable or fixed, and runs from 110 volts AC or 24 volts DC.

For more information, call Sony Professional Audio Products at (212) 371-5800, extension 143 or 145.

You’ll find out that no other wireless systems sound as good as Sony’s.

We’ve never put our name on anything that wasn’t the best.
The following is a list of manufacturers and importers of professional and studio recording equipment.

A listing of equipment by categories follows the company listings.

### Equipment by Category

<table>
<thead>
<tr>
<th>Category</th>
<th>Manufacturers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Microphones</strong></td>
<td>Allied Recordings, 3232 Greenpoint Ave, Long Island City, N.Y. 11101. Tel. (714) 775-8400.</td>
</tr>
<tr>
<td><strong>Recording &amp; Monitoring</strong></td>
<td>Audio Dynamics, Inc., 1307 Providence Rd, Cranston, R.I. 02920. Tel. (401) 461-7171.</td>
</tr>
<tr>
<td><strong>Video Equipment</strong></td>
<td>Audio Video Systems, Inc., Box 41461, Los Angeles, Calif. 90019. Tel. (213) 565-1111.</td>
</tr>
<tr>
<td><strong>Audio Design</strong></td>
<td>Audio Video Design, Inc., 10019 Hitchcock Ave, Indianapolis, Ind. 46202. Tel. (317) 268-4000.</td>
</tr>
<tr>
<td><strong>Audio Engineering</strong></td>
<td>Audio Video Design, Inc., 10019 Hitchcock Ave, Indianapolis, Ind. 46202. Tel. (317) 268-4000.</td>
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</table>

### Product List

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturers</th>
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<tr>
<td><strong>Microphones</strong></td>
<td>Allied Recordings, 3232 Greenpoint Ave, Long Island City, N.Y. 11101. Tel. (714) 775-8400.</td>
</tr>
<tr>
<td><strong>Recording &amp; Monitoring</strong></td>
<td>Audio Dynamics, Inc., 1307 Providence Rd, Cranston, R.I. 02920. Tel. (401) 461-7171.</td>
</tr>
<tr>
<td><strong>Video Equipment</strong></td>
<td>Audio Video Systems, Inc., Box 41461, Los Angeles, Calif. 90019. Tel. (213) 565-1111.</td>
</tr>
<tr>
<td><strong>Audio Design</strong></td>
<td>Audio Video Design, Inc., 10019 Hitchcock Ave, Indianapolis, Ind. 46202. Tel. (317) 268-4000.</td>
</tr>
</tbody>
</table>

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**Note:** This list is not exhaustive and is provided for illustrative purposes. For comprehensive information, please refer to the complete directory.
For the Artist in Every Engineer.

Send us the coupon and we'll rush you a free Coronado Console cutout you can build yourself. (Pictured above)

☐ Please rush me your Coronado Automated Console literature and a free Coronado Console I can build myself. Have a sales engineer call me so we can get down to business.

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Name: 
Company: 
Address: 
City: 
State: 
Zip: 

The Better Boards
Ultimate Performance and Facility

McI's JH-500C Series Automation Ready
Recording/Remixing Consoles

6 Sizes Available, 28 to 56 Channels
Models and Options for All Applications
Tech Specs to Challenge Any Proven Reliability
I F Y O U T H I N K
ALTEC LANSING ONLY MAKES
GREAT SPEAKERS...

...Meet The Great Power Behind Them.

At Altec Lansing, we've been making high-quality loudspeakers for over forty years. And we're very proud of the reputation that they've earned during that time. But perhaps it's because we're so well known for our speakers that some people tend to forget that we also make a full line of professional electronics. Equipment that's built with the same quality and reliability that our speakers are famous for.

Case in point: The Altec Lansing 9440A power amplifier.

The 9440A is a dual-channel power amp that delivers the high performance standards that today's audio professional needs. It produces more than 200 watts per channel into 8 ohms of highly reactive loudspeaker load. At 4 ohms the power is typically greater than 400 watts. And even at these levels the 9440A has less than 0.25% THD or IM distortion and a frequency response that's flat ±0.25 dB from 20 Hz to 20 kHz.

Of course high performance must be matched with high reliability. The 9440A is designed to meet the most demanding conditions. Day-after-day. Year-after-year. Reliability provided by sixteen 250-watt home-tantalum power transistors backed up by a massive die-cast aluminum heat sink. Reliability ensured by an efficient VI limiter, a unique 40% power-limiting circuit and an output relay that protects against dangerous turn-on/turn-off transients. Reliability good enough to earn both UL and CSA approval.

And because we think that an amplifier should do more than just amplify, we've incorporated some features in the 9440A's design that will help make life a little easier. Features like lighted VU meters, meter range switches and provisions for adding plug-in input transformers. Features like a front-panel-mounted switch that converts the 9440A into a single-channel amplifier with a true balanced output. Features that help make the 9440A a versatile addition to any sound system.

But perhaps the best feature of the 9440A is that it's from Altec Lansing—a leader in quality audio products for over four decades.

So if you're thinking about power amps, think about Altec Lansing. Check the Yellow Pages under Sound Systems for the name of your local Altec Lansing sound contractor. And meet the great power behind our speakers.

ALTEC LANSING
SOUND PRODUCTS DIVISION
1515 So. Manchester Ave., Anaheim, Ca. 92803 • 714/774-2900
ALTEC CORPORATION
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SCAMP
TOTAL SIGNAL PROCESSING IN A MODULAR SYSTEM!

Another original design from audio & design recording

Create your SCAMP system from these interchangeable modules:

- Compressor-Limiter
- Microphone Preamp (transformer-less)
- Sweep Equalizer
- Parametric Equalizer
- Dynamic Noise Filter/Gate (high-pass)
- Dynamic Noise Filter/Gate (low-pass)
- Octave Equalizer
- Distribution Amplifier
- L.E.D. Quad Display Column
- Pan Effects Module (automatic panner)
- Time Shape Module (ADT/Flanger)
- Expander Gate
- Dual Gate

Equally at home on the road or in the studio! SCAMP may be purchased piece by piece as budget allows.

Providing the international audio industry with clean, quiet, dependable Signal Processing for more than 15 years. Excellent specs. Definitive sound. Definitive practicality.

- Nigel Branwell, ADR, P.O. Box 786, Bremerton, WA 98312 (206) 275-5099 TELEX 15-2426.
- ADR, 84 Oxford Road, Berks., England Tel. (0734) 534111 TELEX 847605 a/b Tillex G.
Once the recording studio has delivered the lacquer disc to the plating plant it is sprayed with liquid silver making it electroconductive, and then electroplated with nickel, which is separated from the lacquer. The nickel is now a negative image called a master, and has, instead of a groove, a ridge that comes to a point. The master is treated and nickel plated again and upon separation forms a mother, a positive metal record. Engineers rely on the Stanton 881S cartridge in playback evaluation of the mother.

Stanton's 881S Professional Calibration Standard Cartridge is a sophisticated, low mass phono pickup that features the patented Stereohedron® stylus tip for trues! fidelity and gentlest possible treatment of the record groove. Lightweight, high energy magnets allow reduced mass and higher output than conventional magnets. And each Stanton 881S that comes off the production line has been tested and individually calibrated with the test results packed in each unit to assure the very finest professional quality product regardless of application. From disc cutting to disco to home entertainment your choice should be the choice of the Professionals... Stanton cartridges.
Introducing

A cut above at 80 dB.
You hear it in your head. You know exactly how the final mix will sound. Now cut it that way with the new Ampex Mastering System. It delivers 80 dB at the cutting lathe for superb sound. Here's what makes it great:

**ADD-1** The new ADD-1 Audio Digital Delay is your last chance to put some time between mix-down and cutting lathe. Make that time count. The ADD-1 is a totally digital time delay and is totally compatible with normal and half-speed cutting. You can preset and select any interval up to 5 seconds of delay at the push of a button. What was good 5 seconds ago you now have time to make great with the ADD-1.

**ATR-100** Add to the ADD-1 the ATR-100 with its ½", 2-track head assembly—unquestionably the finest analog audio tape recorder in the world. The ATR-100 gives you measurably better recording performance and better
The Ampex Mastering System

playback than has ever been achieved before, and gentler tape handling than any previous machine, bar none.

Grand Master™ Tape
Don't forget Grand Master

studio mastering tape, state-of-the-art in every way—performance, consistency, specs.

There simply is no finer tape. Get it all down on Grand Master, just the way you hear it in your mind.

Put them all together and you'll have one beautiful system—a totally transparent tape-to-disc mastering system that gives you 80 dB s/n at the cutting head.

And the only thing better than that is the way the final disc will sound. Just great.
PENTAGON'S "PRO": THE STANDARDS OF EXCELLENCE IN AUDIO TAPE DUPLICATION

Pentagon's "Pro" gives the superb duplication, versatility and high production professionals demand. It is rugged, dependable and simple to operate. Copy from either open reel or cassette masters to any combination of reels and cassettes simultaneously.

Write or call for full color brochure:

PENTAGON

4751 N. Olcott, Chicago, IL 60666
Tel (312) 867-9200 TLX 25 3058

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Recording Studio Equipment Manufacturers & Importers

Product: Recording & Monitoring—ICE mixers—portable
Electronic Inds., Inc., 7516 42 Ave. N., New Hope, Minn. 55347. Tel: (612) 533-1671

Product: Recording & Monitoring—JANSEN speakers—monitor
Electronic Music Labs., Inc., P.O. Box 27, Vernon, Conn. 06066. Tel: (203) 875-0751, Pres.: Dell Blake.

Product: Special Electronic—EMT, SYNEK, ELECTROCOMP synthesizers
Electronic Music Studios of America, see EMAS.

Electronic Technology, see E-Tech.

Electro Sound Inc., 160 San Gabriel Dr., Sunnyvale, Calif. 94086. Tel: (408) 245-6600 Telex 34-6324. TWX (610) 339-9303. Pres.: Ray Schaaf; Sales Mgr., David Bowman.

Branch: Omaha, Neb., 25 & Dodge (402) 344-4114; Chief Exec.: Jim Cook.

Product: Recording & Monitoring—tape recorders: Tapeheads, spacing & editing equip.; Other—high speed tape duplicating equip., automatic cassette loading equip.


Product: Recording & Monitoring—ELECTRO-VOICE microphones; SENTRY speakers—monitor; Other—boom & stand microphones.


Product: Recording & Monitoring—TORENS turntables, phone cartridges.

El-Tech (Electronic Technology), 16 Music Circle, S., Nashville, Tenn. 37203. Tel: (615) 256-1681. Pres.: J.J. Overholt.

Product: Tape: spacing & editing equip.; Other—auto locator system.


Product: Special Electronic—synthesizers. Other—computer controlled phonographic keyboard/synthesizer.


Product: Recording & Monitoring—EPI, EPICURE speakers—monitor.

Erase-Erase, see Magnetics.


Eumig USA, Inc., Lake Success Business Park, 225 Connerly Dr., Great Neck, N.Y. 11020. Tel: (516) 466-6533. Pres.: Manonn Petit; Sales Mgrs.: Jeff Thelen.

Product: Recording & Monitoring—tape recorders.


Product: Special Electronic—EVENTIDE compressors, delay systems, OMNIPRESSOR compressors. Other—rehearsal, Ranger.


Product: Studio Designers & Builders; Other—pro-audio sales.

F M & V, see Fulton.

FRAPE (First Response Audio Pickup), PO Box 40097, 1061 Folsom St., San Francisco, Calif. 94110 Tel: (415) 431-9350. Pres.: Anne Lazarus.

Product: Special Electronic—FRAPE, EMT echo chambers. Other—FRAPE transducer pickups & accessories.

F. & V, see Fulton.

Fadex, see Allison Research.


Product: Recording & Monitoring—consoles Special Electronic—equalizers, filters, echo chambers. Studio Designers & Builders; Other—portable video systems, portable magnet projection systems.

Ferrograph, see Neal Ferrograph.

Fonotone Corp., 5093 Eastern Ave., St. Augustine, N.Y. 12477 Tel: (914) 246-2811.

Product: Tape—heads.

For the last four years you have heard about the innovative design and technical superiority of Harrison consoles. In no place has the Harrison “no compromise” philosophy been more evident than in the Harrison 32C series recording console. This philosophy pays off for you in the knowledge and confidence that your Harrison 32C series console is the most reliable console built anywhere in the world. What does this innovative design, technical superiority and reliability mean to you

**success**

The Harrison 32C series console has become the industry standard with installations in every major recording center in the world. True, a Harrison console initially costs more than most other consoles, but in the long run this investment in quality pays off in less down time, increased operating efficiency, and a superior recorded product. What does this investment security and operating efficiency mean to you

**success**

Success is full-time utilization of your recording facility, and that translates into profit for you. Harrison consoles are used in major recording studios around the world. Many of these studios have purchased a second, and even a third Harrison console. Harrison 32 series consoles have been instrumental in the production of Grammy Award winning recordings for “Best Engineered Recording (non-classical)” for the last two years in a row, and you know what that means

**success...**

the bottom line of our “no compromise” philosophy!

HARRISON SYSTEMS, INC. • P.O. Box 22984, Nashville, Tennessee 37202 • (615) 834-1184, TELEX 55613
AUTOMATED CASSETTE DUPLICATOR

COMBINING duplication and loading into one operation is Recorder's contribution to cutting your labor costs. And, the Bi-Directional Master eliminates the master bin loop! With the system pictured, one operator keeps the C-zero hoppers supplied, puts on new pancakes and spot checks the finished product.

QUALITY is built into this professional equipment to provide the best in open reel type duplication systems. The standard 32 times duplication ratio provides the highest fidelity attainable in high speed duplication. Even at 64 times, the bandwidth is sufficient for most recording applications.

PRODUCTIVITY of your operation can be continually expanded from a start-up 1 x 1 system, to a 1 x 8 as pictured and even to larger configurations. Our systems provide highest productivity, and a quality product with fewer operators. Only Recorder offers automated duplication and loading in one operation!
The Schaffer-Vega Diversity System—SVDS

The world's foremost wireless transmission system, the SVDS features crystal controlled, interference-proof, no-drift tuning, full diversity receiver eliminates drop outs, a Signal-To-Noise Ratio of better than 90 dB, more than 100 yard range, compatibility with all effects, no special installation.

B. The Schaffer B&T Wireless System

All the quality features of the famous SVDS, except diversity receiver, make the B&T a moderately priced system for the transmission of music and vocals.

C. Eventide HM-80 "Baby" Harmonizer™

The first Eventide created for the working musician, the "Baby" is fully digital. Interactive controls, like Delay, Pitch Change, Repeat, On-Board Mixing, Feedback and a unique new feature, Reverse, offer limitless sound possibilities.

D. Eventide H910 Harmonizer™

The most popular special effects unit in the industry, the Harmonizer is a full-featured digital delay line and a pitch changer with a two-octave range.

E. Eventide H949 Harmonizer™

The newest Eventide, the H949 allows for a multitude of exciting new effects, including Reverse, Flanging, Automatic Repeat, Micro Pitch Change, Random Delay, Feedback, Two P/C Algorithms and much more. Surprisingly affordable.

F. Eventide 1735M Digital Delay

Its modular construction makes it exceptionally flexible—up to five outputs, each with a maximum of 320 ms delay (640 ms in double model), selectable in 20 ms steps.

G. Eventide FL-201 Instant Flanger™

Designed to meet the demands of professional industry users, the Instant Flanger's controls—oscillator, manual, remote and envelope may be used in any combination.

H. Eventide 2850 Omnipressor™

The Omnipressor is a compressor, expander, noise gate and limiter in one package, with a dynamic reversal feature which makes high level input signals lower than correspondingly low level signals.

I. VHF Portables

Professional quality, hang-held push-to-talk walkie talkies, used by film makers, production remotes, concert producers and security personnel. Each radio is equipped with a desk-top charger and leather belt case for easy carrying.

J. The KSG Specter™

Based on a Commodore PET™ 2001-8K computer, this programmable video-display, third-octave, real time audio spectrum analyzer is an intelligent, interactive analyzer costing about half the price of currently available display-only units.

This equipment has become the industry standard for thousands of major bands and recording studios. Write or phone us for complete specifications and pricing details. We'll give it to you straight.

THE KEN SCHÄFFER GROUP, INC.
10 East 49th Street, New York, N.Y. 10017 (212) 371-2335

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Studio quality microphones that don't need a studio to survive.

The CS15P condenser cardioid microphone is equally at home in a recording environment or broadcast studio. When hand-held it puts sex appeal in a voice with its bass-boosting proximity effect. With shaped high-frequency response and its ability to handle high sound pressure levels (140 dB with 1% THD at 1kHz), the CS15P is ideal for close-up vocal or solo instrument miking applications.

When boom mounted, the CS15P has better gain-before-feedback and a better signal-to-noise ratio than most shotguns. It's phantom powered and it's rugged.

The CO15P condenser omni extends frequency response to the very limits of audibility, 20 to 20,000 Hz. Unlike other "omni's," the CO15P maintains its omnidirectional polar pattern at the very highest frequencies. Perfect for the distant miking of an entire orchestra as well as up close on individual instruments. And like the CS15P, it's phantom powered and it's rugged.

The Electro-Voice warranty
Electro-Voice backs up these two microphones with the only unconditional warranty in the business: for two years we will replace or repair your CS15P or CO15P microphone, when returned to Electro-Voice for service, at no charge - no matter what caused the damage!

We can do this because we build these microphones to meet our standards for performance, ruggedness and durability. We accept nothing less, and if you're a professional, buying a professional quality microphone, you shouldn't either.
WHY JBL FLATTENS THE COMPETITION.

INTRODUCING THE 4313.
JBL gives it to you without the bigger box that you'd expect along with it, since the 4313 only measures about 23" by 14" x 10"!

This new, compact professional monitor produces deep, distortion-free bass. And does it with a newly developed 10" driver. Its massive magnet structure and voice coil are equivalent to most 12" or 15" speakers. Yet it delivers heavy-duty power handling and

On-axis frequency response, 4313 monitor.

a smoother transition to the mid-range than most larger-cone speakers.
The 4313's edge wound voice coil midrange accurately reproduces strong, natural vocals and powerful transients.
Up top, a dome radiator provides high acoustic output with extreme clarity and wide dispersion. A large 1" voice coil gives it the ruggedness needed in professional use.

Working together, these precision-matched speakers offer superb stereo imaging, powerful sound levels and wide dynamic range.

Audition the 4313 soon.
We think you'll agree that its combination of flat response, power and moderate size flattens the competition.


FIRST WITH THE PROS.
4600 SMPTE Tape Controller

Before you do another multi-track session, call us for a personal introduction to electronic audio editing.
When The Others Don’t Come Up To Level

AGFA-GEVAERT Magnetic Tape will
...and then surpass it!

It doesn’t matter if your needs are studio mastering tape, video tape, or bulk audio tape, AGFA-GEVAERT has been answering the high level requirements of a demanding professional European and U.S. market for a long time. And surpassing it everytime—with quality, performance, reliability, and availability.

Our PEM 468 Studio mastering Tape has been accepted on the highest level as “the tape” for top quality original recording. It’s available to the discerning as a low-noise, high-output, low-print, in ¼”, ½”, 1” and 2”; Bintape in ¼”, ½” and 1”; and in Duplicating Tape, ¼” x 3600’.

When your needs for video tape are varied, AGFA-GEVAERT Video Tape has the range to fill them. From 2” Quad to 1” Helical; ½” VIDEOCHROM to ¼” U-matic cassette; and ¼” bulk tape to magnetic film. Whether you’re producing professional, semi-professional, or amateur programming, with our Video Tape you’ll project a high level image.

The Professional Cassette Bulk Tape has long held the reputation as the one tape that really “stacks up”. Supplied in pancake form on stacking hubs, it is offered to the blank loader and duplicator as a Super High Density Tape, or a SUPER FERRO DYNAMIC Tape, in lengths up to 11,500’. Also available is a Mini-Cassette Tape with 2 micron foil, and a Splicing Tape in 150’ lengths.

When your standards for recording and duplicating command the highest, come up to that level, and surpass it, with AGFA-GEVAERT Magnetic Tape. We’ve been helping others to do it for years. Contact us TODAY!

VIDEOCHROM and SUPER FERRO DYNAMIC are the trademarks of AGFA-GEVAERT, Antwerp, Luxembourg.

MAGNETIC TAPE

from AGFA-GEVAERT
The bottom line is...
Good sound comes from a SYSTEM.

Accurate Sound can supply your complete turnkey Recording Studio needs. We offer quality within your budget.
We also manufacture high speed duplicating equipment—AS 2400 series, professional recording equipment—AS 2600 series, professional microphone stands—Starbird Microphone Boom.

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As designers of audio systems, we do not force your needs to coincide with our equipment, we make our equipment meet your needs. We don’t just manufacture equipment, we create systems. After all, that’s where the sound comes from.

...Because sound comes from a system.

A New World Standard

MCI's JH-600 Series Recording/Remixing Consoles
The First Factory Automated Console
Affordably priced 18 or 36 Channel Frames
Many options available
For: recording studios, broadcast production, live shows, mobile facilities

Recording Studio Equipment
Manufacturers & Importers

Product: Recording & Monitoring—ULTRACRAFT tape recorders, GSANA, SATIN phone cartridges, Other—OSKMAT tape recorders.
Product: Recording & Monitoring—tape recorders, Other—tape duplicators.
PA & Electronics Inc., 1020 W. Willshire Blvd., Oklahoma City, Okla. 73116. Tel: (405) 833-6826.
Product: Special Equipment—PHILMORE delay systems, filters, oscillators, synthesizers, Other—PA-A computer/synthesizer interfaces.
PM, Lee Corp.
Product: Recording & Monitoring—PACIFIC consoles, Other—PAC.A-E equipment.
Panasonic Co., 6th Ave., Secaucus, N.J. 07078. Tel: (201) 364-7000.
Product: Recording & Monitoring—TECHNE tape recorders, microphones, amplifiers, monitors, speaker cabinets, mixers, headphones, turntables, Special Electronic—TECHNE equalizers. Video—PANASONIC video tape recorders, closed circuit cameras. Other—TECHNE pre-amplifiers, cassette decks, tuners, meter systems, microphone accessories. PANASONIC high speed 8" video cartridge duplicating system, video special effects generators & controls, monitors, portable color camera systems, compact color black & white camera systems, color projection systems, open reel portable VTR camera systems, color & black & white systems, color video projection systems, color & black & white systems, color video projection systems, color & black & white systems, color & black & white systems.
Penny & Giles, 1405 Fith St., Santa Monica, Calif. 90401. Tel: (213) 893-0014. Chief Exec.: Barry Smledy.
Product: Special Equipment—attenuators, praters, Other—leders.
Product: In-cassette, reel-to-reel & reel to cassette duplicators.
Perfection, see Image Devices.
Performer, see Sony.
PermaTak, see Stanton.
Planisphere Chemical Corp., 3300 Washington St., Waukegan, Ill. 60085. Tel: (312) 623-1360.
Product: Recording & Monitoring—PFANTONE microphones, PFANSTEEL phone cartridges, styli—pickup.
Planitone, see Planisphere.
Phase Linear Corp., 20121 48 Ave. W., Lynnwood, Wash. 98036. Tel: (206) 734-3571. Pres.: Donald E. Prewett. Sales Mgr.: Bruce Lowry.
Product: Recording & Monitoring—amplifiers—monitor, turntables; Special Electronic—delay systems, equalizers, noise reducers.
Phase Matrix, see Audioanalytic Inc.
Phlanger, see PA-A Electronics.
Product: Recording & Monitoring—turntables, photo cartridges, styli—pickup.
Pioneer, see US Pioneer.
Pitch Twister, see Lesicon.
The Plan, see Audicon Inc.
Polk Audio Inc., 1205 S. Carry St., Baltimore, Md. 21230. Tel: (301) 837-4300. Pres.: George M. Klop. Sales Mgr.: Sandy Gross.
Product: Special Equipment—monitoring—speakers—monitor.
Product: Recording & Monitoring—SCHOEPS microphones.
Powerhouse, see Sound Sales.
Precision Electronics Inc., 910 King St., Franklin Park, Ill. 60131. Tel: (312) 678-5350. Pres.: William S. Gormmes.
Product: Recording & Monitoring—amplifiers—monitor, mixers; Special Electronic—GROMMES—PRECISION limiters.
Price Time, see Lesicon.
Pro Audio Seattle, 11057 Eighth N.E., Seattle, Wash. 98125. Tel: (206) 367-8800. Pres.: Craig Ingle.
Product: Equip, sales.
Product: Recording & Monitoring—PROFESSIONAL MONITOR STANDARD speakers, monitor.
Professional Monitor Standard, see Professional Audio Systems Eng. g.
ProTech Audio Corp., PO Box 638, 15 Gall Dr., Lake Ronkonkoma, N.Y. 11779. Tel: (516) 473-5793. Pres.: William Murphy. VP Mktg.: Sales: Rick Bitonti.
Product: Recording & Monitoring—consoles, amplifiers, monitors, mixers; Special Electronic—attenuators, compressors, equalizers, limiters, oscillators, echo chambers.
Product: Special Equipment—PULTEX equalizers, filters.
Pultec, see Pulse Techniques.
This new Lexicon reverb brings great sound down to size.

Model 224 reverberation system has the sound, the controls, the compactness you've always wanted.

The remarkable — and remarkably compact — Lexicon 224 digital reverberation system gives you superb sound unmatched by any other system available today — electronic, digital or mechanical. You get smooth, natural decay without coloration. "twang" or "boing".

And you get unprecedented control over all significant reverberation parameters. It's industry's first reverb with a built-in control memory that provides instant push-button recall of previously set effects.

Model 224 saves studio space and is fully portable. Its 5½" x 8" remote control console puts reverb control right at the producer's fingertips. The system's high speed digital processor holds up to eight different programs and requires only 7 inches of rack space.

Currently available programs include: concert hall programs with stereo input and four outputs that create the space and depth of a live performance with decay times of 0.6 seconds to 70 seconds; acoustic chamber programs that provide sound equal to the best reverberation chambers; plate programs that outperform the highest quality reverberation plates or other mechanical devices with full control of all parameters including pre-delay of up to 256 milliseconds.

Model 224, A major advance from Lexicon. Once you've heard it, you'll never want to do another session without it.
HUSH MONEY.

The dbx 208 tape noise reduction system is a new product that will impress both your engineering staff and your accountant. The 208 features 8 channels of simultaneous noise reduction on plug-in modules, plus a spare, all in a compact 5¼" rack mount package.

dbx noise reduction is rapidly becoming the new industry standard because it provides 30 dB noise reduction and 10 dB headroom improvement, from 20 Hz to 20 kHz, without the problems of other systems. The dbx system does not require critical and time-consuming level-match adjustments. Its true RMS detectors are not sensitive to tape recorder phase shift. Its voltage-controlled amplifiers (VCAs) operate over a 100 dB range. Overall the dbx system provides a level of performance and a simplicity of operation that is unsurpassed.

But the 208 is also a great value. It is priced at $3300. That's $6600 for your 16-track and $9900 for your 24-track." And no matter how complex the future becomes, the 208 system expands simply and economically.

The dbx 208. The easy solution to your noise problems, today and in the future.
dbx, Incorporated,
71 Chapel Street
Newton MA 02195
617-964-3210

Making Good Sound Better

* Nationally advertised value. Actual prices are set by dbx dealers.
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Knotty problems untangled by experts.

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Recording Studio Equipment Manufacturers & Importers

Slideline, see Duncan Electronics.
Sislex, see Audio Design & Mfg.
Sonar Audio Prods., Inc., 3228 E. 50 St., Los Angeles, Calif. 90058. Tel: (213) 567-6383.
Product: Recording & Monitoring—ULTRALINEAR tape recorders, amplifiers, monitors, mixers, etc.
Solid State Logic, see Washington Musikwerks.
Soniex, see Sumiko.
Sonic Servs., Inc., 118 Grade Ln., Louisville, Ky. 40213. Tel: (502) 367-2823.
Sonicom, Corp. of America, 9 W. 57 St., New York, N.Y. 10019.
Product: Recording & Monitoring—consoles, tape recorders, amplifiers, microphones, professional tape electronics, crossovers.
Southernsound, 2200 S. Ricehey, Santa Ana, Calif. 92705. Tel: (714) 556-6191. Pres: Ralph Yeomans. Sales Mgr: Roger Hagemeier.
Product: Recording & Monitoring—amplifiers, monitors, special equipment—equivalent.
Product: Studio Designers & Builders, Other—equipment suppliers.
Sound Joe Inc., 73-30 260 St., Glen Oaks, N.Y. 11004. Tel: (212) 952-7111. S. Contact: Bruce Steele.
Product: Studio Designers & Builders.
The Sound & Light Co., Inc., 1182 Tower Rd., Schaumburg, Ill. 60173. Tel: (312) 885-2341.
Product: Recording & Monitoring—consoles, mixers, portable, rectifiers, special equipment—equivalent, panes.
Sound Sales Inc., PO Box 151, Cornwall Bridge, Conn. 06754. Tel: (203) 672-8661. Pres & Sales Mgr: Bill Ebenbichler.
Product: Recording & Monitoring—MELLOTRON, MELLOTRON.

Rent equipment that works... EVERYTIME.
From AUDIO VIDEO RENTS

We rent the newest and finest in professional audio and video equipment. All of our items are thoroughly tested by quality-minded technicians before going out the door.

We provide a thorough service to recording studios, audio and video broadcasting, film companies, ad agencies, corporations, and conventions.

YOU NAME IT, WE HAVE IT!

Audio Video Rents has the largest inventory of professional equipment in Northern California. For example: Lexicon Stereo Reverb, Cal-Rec Sound Field Microphones, BTX SMPTE Time Code Equipment, ¾ inch video production, post production, and editing plus 6 foot video projectors.

PROFESSIONALS SERVING PROFESSIONALS.

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Tel. (617) 256-9034.

DeltaLab

Available at Quality Dealers

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Name (Please print) Job Title Date

City State Zip

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Page 36

Disc Mastering Equipment

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Billboard 1979-1980 International Recording Equipment & Studio Directory
The A 800.
The recorder only Studer could build.

In all the world, only the Willi Studer factory in Switzerland has the facilities, designers and craftsmen to build the tape machine recognized as the world's finest—the A 800. Manufacturing tolerances surpass spacecraft standards. Precision construction eliminates shims, so all parts are perfectly interchangeable from machine to machine. A sophisticated microprocessor monitors tape direction, speed, tension and switch status of the electronics for safety, accurate timing and perfect punch-in/punch-out recording and erasure, even in vari-speed mode. A "rehearse" function lets you preview an edit, and you can energize just the erase head to wipe out clicks. Motors are high-torque \( \frac{1}{2} \) HP, and you can stop 14" reels of 2" tape in two seconds with controlled tension. The multi-channel electronics are phase compensated for excellent transient and square wave response. You can even interlock an A 800 with a video/film system or another A 800.

\textit{STUDER} \textbf{reVox} America, Inc
1819 Broadway, Nashville, TN 37203  615 329-9576
Offices: Los Angeles 213 789-4234, New York 212 253-4462
In Canada: Studer Revox Canada, Ltd.

circle 14 on reader service card
Eight good reasons to be a Beyer Buyer.

one The first reason is Beyer. We have fifty years experience making the world's finest microphones and headphones. And an unmatched reputation for quality, reliability and innovation. The choice of professionals everywhere.

two M 160. One of the world's best-loved and most versatile microphones. Warm, soft sound favored by vocalists and musicians alike. Dual ribbon design for high strength and fast transient response.

three Beyer headphones. A full range of high quality professional models for critical monitoring and reliable communication. DT 109 combines stereo headphones and boom-mounted microphone, ideal for on-air use and disco deejays. DT 444S wireless headphone receives sound from an infra-red LED transmitter up to 300 feet away. Full 20-20,000Hz frequency response. Six hour stereo operation on rechargeable NiCad batteries.

four The new M 400. A great performer's mic. Supercardioid pick-up pattern to minimize feedback. Rugged design for long life. Tapered frequency response with rising high end and rolled off lows, plus midrange presence boost. Built-in humbucking coil and pop filter. Dynamic design is unaffected by heat and humidity.

We're looking for a few more great dealers to handle the Beyer line. Contact Norm Wieland at Burns Audiotronics.

five Beyer microphone stands and booms. A full range of mic mounts for floor and desk use, with fixed and folding bases. Available with collapsible tubes for easy packing. Also heavy-duty stands for speaker cabinets.

six Beyer microphone accessories. Wind screens, impedance matching transformers, in-line switches, power supplies, wireless transmitters, stereo arms, goosenecks, clamps, thread adapters, anti-shock suspensions, and even a mic stand ashtray! The whole works. If you can use it with a mic, we make it.

seven M 713. One of our unsurpassed studio condenser mics. Modular system; accepts different transducer capsules and power supplies. Gold-vaporized mylar diaphragm for high transient response. Mu-metal shield. Temperature and humidity stable.

eight See your dealer or write for information on our product line. You'll have many more reasons to be a Beyer buyer.
Where brand name differs from that of the manufacturer or importer, the company name follows in parentheses. For complete listings, see the preceding Recording Studio Equipment Manufacturers and Importers.

RECORDING & MONITORING

consoles

Allen & Heath (Audio Mktg. Ltd.) 12 input, 24 output Anek (Everything Audio) Up to 56 input, up to 56 output Ampico/Scully Up to 48 input Audio Innovators Custom Audio Int'l 12 input, 2 output Audio Transport 4 input, 3 output AudioInformatics 32 input, 24 output Automix (Automated Processes Inc.) B & B Audio Custom Beaucast (LUMC Electronics Co.) 48 input, 16 output Cline Tomi (Full Compass Systems Ltd.) 24 input, 24 output Crossroads Audio Custom Dikane Dyna 12d-4, 16 input, 16 output Editel (Sphera Electronics Inc.) Custom Condenser, up to 24 input, 24 output Fjanta 48 input, 48 output Harris 24 input, 6 input, 1 output Harrison Up to 48 input, 32-24 output Hilltop 16 input, 16 output Houston Cinema & Sound Custom Interface Electronics Up to 32 input, up to 16 output M 16-8 input, 36-24 output Magnasound/Moviola 8 input, 2 output Matalchi 32-2 input, 16-2 output Roger Mayer 48 input, 36 output McMartin * 18 input, 2 output Micro Trak 8 input, 1 output N & C (Audio Designs & Mfg. Inc.) 32 input, 32 output Nove 56 input, 48 output Ohmgek (Phol Sound Ltd.) 16 input, 4 output Orange 20-12 input, 8 output Pacific Broadcast ProTech 32-8 input, 32-2 output Pyramid 32-16 input, 32-8 output Q & R K 8 input, 40 input, 3 output Quad Eight 48-2 input, 40-2 output R C A 32-12 input, 16 output, Custom R C I (Recording Consultants Inc.) 32-8 input, 24-2 output Ramko Research 40-12 input, 2 output

tape recorders—open reel

A E G: Telefunken (Gotham Audio Corp.) 32-tr Accurate Sound 24-1 tr Akai 4-tr Akai Ampico/Scully 24-1 tr Audio Electric Supply Auto-Tec (United Research Lab.) 24-1 tr Fisher Eumig Fernkino (Neat Ferrography) 2-tr Gima Harmon/Kardon 1 D I (Image Devices Inc.) 2-tr crystal controlled sync pulse I M O (International Electra-Magnetics) 24-tr Lamp Luxman (Lux Audio of America) Lynic (Rugion Nove Inc.) 46-24 tr MCI 24-16, 4-24 tr Magnecord (Telex Communications Inc.) Nagra 3-tr Otari 24-1 tr Pioneer (US Pioneer Electronics Corp.) 4-2 tr RCA 2-tr Revco (Studer Revco America Inc.) Rossel of America Sonic Servs 8.2-tr Soundcraft 8-tr Sporimaster (Broadcast Electronics Inc.) 24-3 tr Stephens 40-3 tr Studer 24-2 tr Tandberg 2-tr Tascam Series (Tasc Corp. of America) 18-tr Technics (Panasonic Co.) 24-3 tr Telex

microphones


microphone booms & stands

A K G Akiak Altic Lansing Atlas Sound Audio Electrical Supply Audio Eng'g 15' foot collapsible aluminum microphone stand Audiotek (IG Electronics) Beyerd (Beyers Audioelectronics Inc.) Bogen Christophery (Sennhiser Electronic Corp.) Keith Moeks (Moeks Audio Inc. & Audio Mktg. Ltd.) Neumann (Gotham Audio Corp.) Realistic (Radio Shack) Sansui Shure Sporimaster (Broadcast Electronics Inc.) Stage (Unico Inc.) Starborn (Accurate Sound Corp. & Discoustic Lab.) Turner Univox (Unico Inc.)

amplifiers—monitor


Recording Studio Equipment By Category

H & M Electronic (Audio Mktg. Ltd)
Harman/Kardon
Harman
Hathkri (Haath Co.)
J B L Mains B (Lensing Sound Inc.)
Kernwood
Lang
Lusman (Lux Audio of America)
Mclunton
McMartin
Maxcom Light & Sound (Rammold Inds. Inc.)
Monitor Audio (Audio Source)
Nagra
Omehiga (Heil Sound Ltd.)
Qamp
Phase Linear
Pioneer (US Pioneer Electronics Corp.)
Precision
Rama Research
Realistic (Radio Shack)
Revox (Revox Ross America Inc.)
Roland
Rosel of America
Ruscio
S & A E (Scientific Audio Electronics Inc.)
Sanwa
Sater
Sherwood Electronic Labs
Shin-Gen
Sonically
Southwest Technical
Speakers
Spinnaker (Broadcast Electronics Inc.)
Stage (Unicorn Inc.)
Stax (American Audioport Inc.)
Studer
Studio-MASTER (Stamper Inc. Co. Inc.)
Superbass
Taco
Tech-Craft by Bogen
(Bogen)
Technics (Panasonic Co.)
Television
Teledyne
Univox (Unicorn Inc.)
Vestrex
Yamaha
speakers—monitor

A A L
A R (Acoustic Research)
Advent
Akai
Altec Lansing
Audicon
Audioanalyst Inc.
Audio Electric Supply
Audiotec (GC Electronics)
AudioTools
Audio Transport
Aurafone
Audix
B B C (British Inds, Co.)
Bose
Bose
B/Stek
C M Labs
Cannonmaster (Hartley Prods. Corp.)
Crossroads Audio
C L S
Dalhquist
Digital” listening & cutting room applications
David (Japan of America Inc.)
DuKane
Dynaco
E F I (Epicer Audio Prods. Inc.)
Earls (The Company)

Epicure
F.M I (Fulton Electronics)
Fisher
Fischer
Fred
Gauss (Citic Audio)
Healthkit (Health Co.)
Hope Street
J B L (Lamnes B)
Kernwood
Lang
Lusman (Lux Audio of America)
Mclunton
McMartin
Maxcom Light & Sound (Harmond Inds. Inc.)
Monitor Audio (Audio Source)
Nagra
Omehiga (Heil Sound Ltd.)
Qamp
Phase Linear
Pioneer (US Pioneer Electronics Corp.)
Precision
Rama Research
Realistic (Radio Shack)
Revox (Revox Ross America Inc.)
Roland
Rosel of America
Ruscio
S & A E (Scientific Audio Electronics Inc.)
Sanwa
Sater
Sherwood Electronic Labs
Shin-Gen
Sonically
Southwest Technical
Speakers
Spinnaker (Broadcast Electronics Inc.)
Stage (Unicorn Inc.)
Stax (American Audioport Inc.)
Studer
Studio-MASTER (Stamper Inc. Co. Inc.)
Superbass
Taco
Tech-Craft by Bogen
(Bogen)
Technics (Panasonic Co.)
Television
Teledyne
Univox (Unicorn Inc.)
Vestrex
Yamaha

decoders &

Audiences of Oregon
SQ decoder
dynaco
dynak (Dynaco Inc.)
fosgate
lafayette
Pioneer (US Pioneer Electronics Corp.)
Sanwa
SQ-4 channel decoder
Southwest Technical
mixers

Alesa
Allen & Heath (Audio Mktg. Ltd.)
Pioneer Microphone
Alphav (Alpha Electronics Inc.)
Artic Lansing
Microphone
Amez
(Everything Audio)
Portable, Microphone
Amerex
Portable

Epicure
F M I (Fulton Electronics)
Fisher
Fischer
Fred
Gauss (Citic Audio)
Healthkit (Health Co.)
Hope Street
J B L (Lamnes B)
Kernwood
Lang
Lusman (Lux Audio of America)
Mclunton
McMartin
Maxcom Light & Sound (Rammold Inds.)
Monitor Audio (Audio Source)
Nagra
Omehiga (Heil Sound Ltd.)
Qamp
Phase Linear
Pioneer (US Pioneer Electronics Corp.)
Precision
Rama Research
Realistic (Radio Shack)
Revox (Revox Ross America Inc.)
Roland
Rosel of America
Ruscio
S & A E (Scientific Audio Electronics Inc.)
Sanwa
Sater
Sherwood Electronic Labs
Shin-Gen
Sonically
Southwest Technical
Speakers
Spinnaker (Broadcast Electronics Inc.)
Stage (Unicorn Inc.)
Stax (American Audioport Inc.)
Studer
Studio-MASTER (Stamper Inc. Co. Inc.)
Superbass
Taco
Tech-Craft by Bogen
(Bogen)
Technics (Panasonic Co.)
Television
Teledyne
Univox (Unicorn Inc.)
Vestrex
Yamaha

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TRUTONE RECORDS
DISC MASTERING LABS

Audio Innovators
Custom
Audio Transport
Audiote (GC Electronics)
Automated Processes
B & B Audio
Bevis (BMC Electronics Co.)
Microphone
Boa
Microphone
Clone Tone (Full Compass Systems Ltd.)
Portable, Microphone
Crossroads Audio
Disc (Bose Electronics Mktg. Inc.)
Portable
Duke
Dyna
Electronic Systems
Ecora
Microphone
Fazer
Fisher
Fischer
Fred
Gauss (Citic Audio)
Healthkit (Health Co.)
Hope Street
J B L (Lamnes B)
Kernwood
Lang
Lusman (Lux Audio of America)
Mclunton
McMartin
Maxcom Light & Sound (Rammold Inds.)
Monitor Audio (Audio Source)
Nagra
Omehiga (Heil Sound Ltd.)
Qamp
Phase Linear
Pioneer (US Pioneer Electronics Corp.)
Precision
Rama Research
Realistic (Radio Shack)
Revox (Revox Ross America Inc.)
Roland
Rosel of America
Ruscio
S & A E (Scientific Audio Electronics Inc.)
Sanwa
Sater
Sherwood Electronic Labs
Shin-Gen
Sonically
Southwest Technical
Speakers
Spinnaker (Broadcast Electronics Inc.)
Stage (Unicorn Inc.)
Stax (American Audioport Inc.)
Studer
Studio-MASTER (Stamper Inc. Co. Inc.)
Superbass
Taco
Tech-Craft by Bogen
(Bogen)
Technics (Panasonic Co.)
Television
Teledyne
Univox (Unicorn Inc.)
Vestrex
Yamaha

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Page 42

circle 129 on reader service card
If it doesn't have an ANVIL... you don't have a case.

A lot of musical instrument and amp cases are going around these days trying to pass themselves off as ANVIL® cases. And a few dealers are adding to the confusion by using the word "anvil" to describe cases that may look like ours on the outside but don't even begin to measure up on the inside.

The fact of the matter is simple: If it doesn't have the ANVIL® on it—it doesn't have ANVIL's experience, reputation and quality construction in it.

Sturdy, dependable ANVIL cases are the industry standard—always have been. They're designed around the delicate equipment they carry and are perfectly balanced for easy handling. They're dent-proof, scuff-proof, and slippery-fingered-roadie-proof. And they're available in just about any color you can name.

So if you want your guitar, synthesizer, cello, drums, amps and sound-reinforcement gear to get to the gig in one piece—depend on ANVIL. We can make a strong case for just about anything.

ANVIL CASES, INC., 4128 Temple City Blvd., (P.O. Box 888), Rosemead, CA 91770 (213) 575-8614.
Recording Studio Equipment By Category

Revco (Studer Revco America Inc.)
Ryssl Electronic
Saron
Sennheiser
Sony (Sony Corp. Of America)
The Sound & Light Co.
Speedak
Spinmaster (Broadcast Electronics Inc.)
Stega (Univox Inc.)
Stanton
Lex (American Audioport Inc.)
Sanyo (Sanyo Corp. Of America)
Technics (Panasonic Co.)
Telex
Univox (Univox Inc.)

Stax (American Audioport Inc.)
Studiopro (Broadcast Electronics Inc.)
Ultraclark (Dawson & Co. (USA) Inc.)

phonotrails
A D C (Audio Dynamics Corp. & BSR)
A K G
Anadine (Sumiko Inc.)
Audio Dynamics
Audio Technica
B & R
Bang & Olufsen
Cue Master (Broadcast Electronics Inc.)
D E M T (Gothen Audio Corp.)
Empire
Fisher
Futon Electronics
Grado
J V C (US JVC Corp.)
Katz
Krohnke
Kubota (Broadcast Systems Inc.)
Lamson
Lenning/Onofran
Lintron
McIntyre
Midwest
Pickering
Racoton
Sato
Shure
Sonic
Sonic Sound
Sonic Sound

Specialized Electromagnetic

attenuators
Audio Dynamics
Automated Processes
B & B Audio (B&B Audio & Aphex Systems Ltd.)

compressors
A P I (Automated Processes Inc.)
Ashby Audio
Audio & Design Rec.
Automated Processes
B & B Audio (B&B Audio & Aphex Systems Ltd.)
B & K Instruments
Compressor (Spectra Sonic)
d 6 x
DKane
D E M T (Gothen Audio Corp.)
Everlawn
Grahn Brain (Allison Research Inc.)
Harman
Innovacs
Krohnke (Univox Inc.)
M X R
Roger Mayer
Multiplier (Pacific Rec.’s & Eng’s)
Broadcast
Multox (Pacific Rec.’s & Eng’s)
Broadcast

delay systems
Advent
Alltec Lansing
Audio Kinetics (Quintek Dist’n Inc.)

filters
bilbao 1979-1980 international recording equipment & studio directory
The Shure SM81 cardioid condenser is a new breed of microphone. It is a truly high-performance studio instrument exceptionally well-suited to the critical requirements of professional recording, broadcast, motion picture recording, and highest quality sound reinforcement — and, in addition, is highly reliable for field use.

Shure engineers sought — and found — ingenious new solutions to common problems which, up to now, have restricted the use of condenser microphones. Years of operational tests were conducted in an exceptionally broad range of studio applications and under a wide variety of field conditions.

As the following specifications indicate, the new SM81 offers unprecedented performance capability — making it a new standard in high quality professional condenser microphones.

SM81 puts it all together!

- **Wide Range**, 20 Hz to 20 kHz FLAT FREQUENCY RESPONSE.
- **Precise Cardioid** polar pattern, uniform with frequency and symmetrical about axis, to provide maximum rejection and minimum coloration of off-axis sounds.
- **Exceptionally Low** (16 dBA) NOISE LEVEL.
- 120 dB DYNAMIC RANGE.
- **Ultra-Low Distortion** (right up to the clipping point!) over the entire audio spectrum for a wide range of load impedances. MAXIMUM SPL BEFORE CLIPPING: 135 dB, 145 dB with attenuator.
- **Wide Range Simplex Powering** includes DIN 45 596 voltages of 12 and 48 Vdc.
- **Extremely Low RF Susceptibility**.
- **Selectable Low Frequency Response**: Flat, 6 or 18 dB/octave rolloff.
- 10 dB CAPACITIVE ATTENUATOR accessible without disassembly and lockable.

**Outstanding Ruggedness**

Conventional condenser microphones have gained the reputation of being high quality, but often at the expense of mechanical and environmental ruggedness. This no longer need be the case. The SM81 transducer and electronics housing is of heavy-wall steel construction, and all internal components are rigidly supported. (Production line SM81’s must be capable of withstanding at least six random drops from six feet onto a hardwood floor without significant performance degradation or structural damage.) It is reliable over a temperature range of -20° F to 185° F at relative humidities of 0 to 95%.

Send for a complete brochure on this remarkable new condenser microphone!

(AL577)
Recording Studio Equipment By Category

Automated Processes
B & B Audio (B&B Audio & ApheX Systems Ltd.)
F & K Instruments
DuKane
Dyna
25 KHz notch
E M S Synth (EMSY)
Forta
Furman Sound
Ionic
K L H Burwen Research (KLH Research & Development Corp.)
Klein & Hummel (Gotham Audio Corp.)
Korg (Unicorn Inc.)
Roger Mayer
Nakamichi
Neve
Ompa
Pilanger (PAIA Electronics Inc.)
Poltec (Pulse Techniques Inc.)
Pyramid
Quad-Eight
Scamp (Audio & Design Rec'g Inc.)
Dynamic noise
Sonic Serve.
Spectra Sonics
Studier
TeleMapion
Universal Audio (United Rec'g Electronics Inds.)
Univox (Unicorn Inc.)

oscillators
Automated Processes
B & K Instruments
Neve
Tone
Sonic Serve.
Spectra Sonics
Studier
TeleMapion
Universal Audio (United Rec'g Electronics Inds.)
Univox (Unicorn Inc.)

limiters
A D M (Audio Designs & Mfg. Inc.)
Ashly Audio
Audio & Design Rec'g
Broadcast Audio:Tek
Frequency selective
Automated Processes
B & B Audio (B&B Audio & ApheX Systems Ltd.)
d x x
DuKane
Dyna
E M T (Gotham Audio Corp.)
Gem Brain (Allison Research Inc.)
Grommes-Precision (Precision Electronics Inc.)
Harris
Inovonics
Korg (Unicorn Inc.)
Roger Mayer
Multimix (Pacific Rec'rs & Eng'g)
Broadcast
Multimax (Pacific Rec'rs & Eng'g)
Broadcast
N T P (Gotham Audio Corp.)
Neve
Ompa
Ohran
ProTech
Quad-Eight
Sonic Serve.
Spectra Sonics
Spectra Servo (Broadcast Electronics Inc.)
Studier
Universal Audio (United Rec'g Electronics Inds.)
Univox (Unicorn Inc.)
Volulmax (Thomson-CSF Labs. Inc.)
Westrex

noise reducers
A D M (Audio Designs & Mfg. Inc.)
Accurate Sound
d x x
B & B Audio
Debby
Single & multi-channel systems
Garrard/Plessey
Inovonics
K L H Burwen Research (KLH Research & Development Corp.)

HEALTHY STRIKE OUT BIRTH DEFECTS MARCH OF DIMES

helps measuring & testing equipment
Acoustology
Acoustical
Ancon (Crowns Instl Inc.)
R. B. Amos
Pocket magnetometer
B & K Instruments
Cronektronics
PPM/VU meters
Crown
E M T (Gotham Audio Corp.)
Edison Electronics
Ferograph (Neal Ferograph)
Health/Schlamberger (Health Co.)
Hewlett-Packard
I M A (Crown Instl Inc.)
Inovonics
Wayne Kerr (Hammond Inds. Inc.)
Lafayette
Minolta (Radio Shack)
Nakamichi
Neumann (Gotham Audio Corp.)
Neutrik (AKG Acoustics)
Pyramid
Q-Chek (Switchcraft Inc.)

Shure
U R E (United Rec'g Electronics Inds.)
Universal Audio (United Rec'g Electronics Inds.)
synchronizing equipment
Audio Kinetics (Quintel Dist'n Inc.)
SMpte
B T X
SMpte
E E C D (Ampek Corp.)
Transparent synchronizing systems
Ferrograph (Neal Ferograph)
Film resolvers
Jensen (Image Devices Inc.)
Lyric (Rupert Neve Inc.)
M C I
AutoLock, SMpte
Maglink (Automated Processes Inc.)
Magna Tech
Tape to film
Ompa
Audio & tape bias
Studier
Tape lock synchronizing/retiming equip.
TeleMation
Virtuapp (Lexicon Inc.)
Speech time compressor/expander

synthesizers
A R P
Anies Music
Modulators—kit & wired
Cat (Octave Electronics Inc.)
E M L (Electronic Music Labs.)
E M S Synth (EMSA)
Elecraft (Electronic Audio Artistry Corp.)
Electronic Music.
EM S
Electronic Music
Roger Mayer
Penny & Giles
Scamp (Audio & Design Rec'g Inc.)
AutoFon
The Sound & Light Co.
Spectra Sonics

echo chambers
A K G
Spring
Aural Designs
Acoustic (custom)
E M T (Gotham Audio Corp. & FRAP)
Electronic Plate
FRAP Plate
Forta
Acoustic
Burman Sound
Spring
Korg (Unicorn Inc.)
LeXicon
Electronics
M X R
Electronic:
Digital delay
Marston Echoes (Norlin Music Inc.)
Mason-Room (MIC/MX Audio Prod's Inc.)
Electronic, Spring
Ompa
Spring
Durban
Spring
Pioneer (US Pioneer Electronics Corp.)
Electronic, The Plate (Audicon Inc.)
Plate
ProTech
Spring
Pyramid
Spring
Quad-Eight
Electronic, Acoustic
Roland
Electronic
Sears/Hitachi (Sierra Audio Corp.)
Acoustic
Sound Workshop
Spring
Steen
Plate
Tape
Spring
Univox (Unicorn Inc.)
Electronic, spring, tape

video tape recorders
Akal
Ampek
Hitachi Denshi
"1" type C, (SMpte)
Hirsch Sales Corp
VHS
I V C (Internacional Video Corp.)
"1" & "2"
J V C Vidstar (US JVC Corp.)
VHS
Jawelin
VHS
N E C, Duma Eng'g Inc.
Panasonic
1/2" VHS & 1/4" cassette, open reel, portable
RCA
Quad: "1" type C
Rcords
"1/4" hi band
Sanyo
Sony (Sony Corp. Of America)

closed circuit cameras
Akar
Cohu
Hitachi Denshi
"1" (International Video Corp.)
Jawelin
Panasonic
RCA
Sanyo
Sony (Sony Corp. Of America)
TeleMation

VIDEO
Perfection for the Professional

Drawing upon their unequalled 30 year leadership in magnetic recording technology, Tandberg's TD 20A open reel tape recorder extends their traditionally superior level of performance to even further limits—to even beyond the present capabilities of today's magnetic recording tape! This is due to Tandberg's exclusive ACTILINEAR Recording System, which not only provides up to 20 dB headroom margin over existing tape, but is specifically designed to be used with the new high coercivity tapes that will appear in the market in the near future—including the soon-to-be-available metal particle tapes. No other quality open reel tape recorder can make this obsolescent-proof claim today.

The ACTILINEAR Recording System's extremely linear frequency response ("ruler flat" according to some test reviewers) not only makes the TD 20A essentially immune to slew-rate limiting and transient intermodulation distortion (TIM), but also means better transient response and lower distortion overall.

Adding to the TD 20A's superior level of quality & performance is its unique PROM computer-controlled four-motor transport, as well as its many standard operating features that permit a degree of performance and control flexibility that you would expect only from Tandberg—the world leader in tape recorders.

Visit your authorized Tandberg dealer for a demonstration of the TD 20A. Check our guaranteed minimum specifications and rate them against any other manufacturer. Combined with the unsurpassed ease of operation & control, the TD 20A is probably more tape deck than you actually need. Isn't it the way things should be?

For your nearest dealer write: Tandberg of America, Inc. Labriola Court Armonk, N.Y. 10504

Tandberg's exclusive PROM computer-controlled four-motor transport that eliminates solenoids and relays. The unique fourth motor (behind the left reel) operates the pinch roller & servo brakes, achieving a smooth, noiseless and reliable operation simply not possible with the conventional solenoid-activated systems the fourth motor replaces. The ultimate touch to our "punch-in" record capability.

Still more features: Four line input mixer + Master gain control with pres-set, Self adjusting input amplifier, Front-panel bias adjustment, Mic sensitivity switch, Channel Sync & Sound-on-Sound, "Free" mode & Edit/Cue facilities, Infrared-controlled motion sensing device, Professional scrape-flutter filter, Separate power supplies for operational functions & audio functions, and Peak-reading equalized meters that have been graphically redesigned for easier reading.

Optional PCM infrared wireless remote control for an ease of operation that doesn't tie you down to the length of a cable. Plus automatic start & stop via a timer switch (optional).
### PROFESSIONAL FILM EQUIPMENT —35mm

**dubbers & recorders**
- Magnasync/Moviola
- Sony 16S, 16mm
- Magna-Tech
- Perfection (Image Devices Inc.)
- R.C.A.
- Westrex
- Wide Range

**projectors**
- Atlas
- 2000' reels (dual picture & track)
- Bell & Howell
- Century Projector
- 70mm & 70/35mm projectors
- Magna-Tech
- Perfection (Image Devices Inc.)
- R.C.A.
- Tele-Mation
- Universal Projector
- Westrex

**slide film equipment**
- Bell & Howell
- Duplexfeeder (Ercona Corp.)
- R.C.A.
- Tele-Mation

### TAPE ACCESSORIES

**heads**
- Ampex (United Research Lab.)
- Ampex/Scully
- Beau (UMC Electronics Co.)
- Kelly Comrbe
- Electro Sound
- Encoa
- Ferrocuque
- Grandy
- I E M (International Electr-Magnetics & United Research Lab.)
- Inditronics
- Lipps
- Magnasync/Moviola
- Nakamichi
- Reeloid (Radio Shack)
- Recorder Carc (Nortronics Co. Inc.)
- Recorder
- Speedex
- Splicermaster (Broadcast Electronics Inc.)
- Taber
- Westrex

**head demagnetizers**
- R.B. Annis
- Audiotex (GC Electronics)
- Ferrograph (Heat Ferrograph)
- Fiiclaision
- Infonics
- Lafayette
- Magnasync/Moviola
- Nakamichi
- Realistic (Radio Shack)
- Recorder Carc (Nortronics Co. Inc.)
- Recorder
- Speedex
- Splicermaster (Broadcast Electronics Inc.)

**bulk erasers**
- Audiotex (GC Electronics)
- Beau (UMC Electronics Co.)
- Erase Sure (Magnetronics Sales & Mfg. Co.)
- Infonics
- Magnasync/Moviola
- R.C.A.
- Realistic (Radio Shack)
- Recorder Carc (Nortronics Co. Inc.)
- Speedex
- Splicermaster (Broadcast Electronics Inc.)

### TAPERS & EDITING EQUIPMENT

**Ampex**
- Video editing systems

**Ampex/Scully**
- Cartridge splice finder

**Audiotex (GC Electronics)**
- V. H. Brady
- Splice finder

**Coastal Specialty Tapes**
- Splicing & moving tapes, splicing machines

**Electro Sound**
- Splicers

**EL-Tech**
- Tape location system with remote readout

**Gammamatrons**
- Splicing & cueing tape

**Lafayette**
- Magna Sync (Columbia Magentics)

**Magnetronics**
- Reelomatic (Radio Shack)

**Reconet**
- Recorder Carc (Nortronics Co. Inc.)

**Revos** (Studio Revos America Inc.)
- Scotch (3M Co.)

**Speedex**
- Splicermaster (Broadcast Electronics Inc.)
- Splice detectors, tape timers, cartridge winders

**Stephens**
- 2nd edition blocks

**Studer**
- Tapemaker

**Webtek**
- Splicing, leader & timing tape

**Webtek**
- Bfr. cassette & video splicing tape

### STUDIO DESIGNERS & BUILDERS (including consultants)

**Abadon/Un**
- Stock design & acoustical consultation to complete turnkey

**Accurate Sound**
- AcoustiQan

**AcoustiQan**
- Consultants

**Audio Consultants**
- Audio Consultant

**Audio Electrical Supply**
- Audio Graphics

**Audio Group**
- Audio Innovators

**Designers**
- Audio Int'l

**Audio TechniQan**
- Studio design & construction, acoustical consultants, architectural acoustics, audio/video engineering, custom equip & cabinet, audiovisual production

**B & B Audio**
- Blue Diamond

**Berne Butler**
- On-site construction supervision and consultation

**Dyma Eng**
- Everything Audio

**Express Sound**
- Fanta

**Full Compass**
- Hilltop Equip. Co.

**Hilton**
- Hope Street

**Houston Cinema & Sound**
- Complete turnkey sys.

**Hultet**
- Magna-Tech

**Hurt**
- Marble Audio/Video

**Rupert Neve**
- Pro Audio Seattle

**EQUIP packages & design**
- Pyramid

**Recording Studio Equip. Co.**
- Sierra-Audio

**Gerald I. Simon**
- Some Sound

**Sound Genesis**
- Sound Job

**Sound Job**
- Custom designed installations

**Spectra Sonics**
- Studio Supply

**Suganqan View**
- TenDec Prod

**The Company**
- Video/Audio Annuity

**Westbrook Audio Inc.**
- Westlake Audio

**Wiegand Audio Labs**
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  - Services: Audio—Digital Rec. & Other Servs.—Singers & Musicians Available. (1 studio. 24-tr. rec. g)

- **COTATI (Area Code 707)**
  - Creative Ens. / Lion Tracks Studios, P.O. Box 846. Zip. 94928. Owner, Studio Chief Eng.: Mike Lynn. (1 studio. 16-tr. rec. g)

- **Fountain Valley (Area Code 714)**
  - Cedar Sound Rec.'s, 10625 Elsiz Ave. Zip. 92708. Tel. 963-8386. Owner & Studio Mgr. Michael Baker. Chief Engs.: Evan Williams (2 studios: 16-tr. rec. g)

- **Irving (Area Code 714)**
  - Florence Studio, 3332 Astoria Ave. Zip. 91330. Tel. 987-0379. Owner, Studio Mgr. & Chief Eng.: Richard Johnson. (1 studio. 8-tr. rec. g)
  - Services: Video—Store w/o Pic.

- **Laguna Beach (Area Code 714)**
  - Adams' Audio. 16571 Higgins Cir. Zip. 92674. Tel. 824-6698. Owner, Studio Mgr. & Chief Eng.: Jerry Jarmolowicz. (1 studio. 8-tr. rec. g)

- **Los Angeles Metropolitan Area (Area Code 213)**
  - A & M Rec.'g. (div. of A&M Recs.). 1416 N. La Brea Ave., Hollywood 90028. Tel. 900-2411. Studio Mgr.: Charles Lowery. Chief Eng. Tom My. (4 recording studios. 3 min. rooms, 32-tr. rec. g)
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  - A & M Rec.'g.: 725 N. La Granada Blvd., Hollywood 90038. Tel. 933-5701. (1 studio. 4-tr. rec. g)

- **Los Angeles (Area Code 213)**
  - Abbeys Tape Dupl.'s, 5358 Cartwright Ave., North Hollywood 91601. Tel. 985-3316. Owner & Studio Mgr. Norman C. Cooke. Chief Eng. Rudy Menat. (1 studio. 2-tr. rec. g)

- **Los Angeles (Area Code 213)**
  - Albatross Studios. P.O. Box 1707. 1011-1015 Innsbruck St. Burbank 91510. Tel. 849-6761. Owner, Studio Mgr. & Chief Eng.: Jack Hunt. (1 disk mastering studio)
  - Services: Audio—Press

American Mobile Video Inc. 5823 Santa Monica Blvd., Hollywood 90038. Tel. 465-7146. (Remote video facilities)

Anna Studios, 1032 N. Sycamore, Hollywood 90038. Tel. 464-7441. (1 studio. 16-tr. rec. g)

- Services: Audio—Lib. Music & SFX. Press—Film, Video—Score w/o Pic. Audio-Video Printing. (1 studio. 16-tr. rec. g)

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Next in the mail is the Tape/Audio/Video Market Sourcebook (May). Its coverage of the highly competitive and fast-changing market is so thorough that it serves as a constant reference point for professionals.

Billboard's Country Music Sourcebook (June), is the only directory in the entire business devoted to country music, containing names and addresses of country music organizations, artists, Nashville area recording studios, state fairs, radio stations, plus the Opry Hall of Fame.

Summertime brings out Billboard's International Talent Directory (July), the most accurate, up-to-date talent and tour directory. It lists artists, managers, booking agents, promoters, clubs and arenas, campus facilities, fairs and festivals, even rehearsal facilities.

The International Buyer's Guide (Sept.), is the annual "bible" the entire industry around the world turns to shop from lists of marketers, suppliers, publishers, wholesalers, distributors and services.

The International Recording Equipment & Studio Directory (Oct.), supplies Billboard's domestic and international audience with up-to-date statistics on professional recording equipment, recording studios, independent record producers, and a special survey on recording studio equipment usage.

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  Blue Heaven Rec’rs. Studio, 2010 SW 3rd St. Zip 33135. Owner Wally Short. (2 studios, 24-tr. rec)


  Carillon Rec’rs. Studio, 2101 SW 3rd St. Zip 33134. Owner Wally Short. (2 studios, 16-tr. rec)

  Dallas Rec’rs. Studio, 2960 NW 32nd St. Zip 33126. Owner: Paul Spalding. (2 studios, 16-tr. rec)

  Duane Rec’rs. Studio, 2101 SW 3rd St. Zip 33134. Owner Wally Short. (2 studios, 16-tr. rec)


  Fort Lauderdale Rec’rs. Studio, 2003 NE 3rd St. Zip 33304. Owner Wally Short. (2 studios, 16-tr. rec)


  North Beach Rec’rs. Studio, 2003 W. 5th St. Zip 33136. Owner: Paul Spalding. (2 studios, 16-tr. rec)


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Surround Sound Studio (div. of International Music Mag.), 1314 Eilsworth Ind's Dr. Zip: 30346 Tel: 768-8690 Studio Mgr.: Dave Sparks; Chief Eng.: George Pappas (1 studio 24-tr recгр) Services: Other-Automation.

Goldstar Studio 192 Piedmont Circle NE, Zip: 30324 Tel: 873-6941 Owner: Wilbur Caldwell; Studio Mgr.: Patti Atherton; Chief Eng.: Bill Quinn (8 studios 24-tr recгр) Services: Audio-Lib. Music & SFX. Dupλ'n-Open Reel. Film: Score w/ or w/o Pic. Video-Score w/ Pic. Jam Studios Inc., 601 Central Ave., Hapeville 30354 Tel: 786-3771 VP, Studio Mgr. & Chief Eng.: Charles Benanen (1 studio 16 tr recгр) Services: Audio-

Other-Throwdown Tapes.

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  Services: Audio—Lib Music & SFX. Dupl'n—Cassette, Open Reel.

- DES MOINES (Area Code 515)
  Trad Prod ns Inc, 1910 Ingersoll, Zip: 50309. Tel: 243-2125. Pres. & StudioMgr: Richard Tramp; ChiefEng: Thomas Tucker. (3 studios. 24-tr. rec.)

- MILFORD (Area Code 712)
  I G L Rec'g Co Inc, 906 North St, Zip: 51351. Tel: 338-4482. Owners: John Sann & the Fortunes; Gen & StudioMgr: Lynne Wace; ChiefEng: John Sann. (1 studio. 8-tr. rec.)

- OTTO (Area Code 515)
  West Minnis Sound, Box 10, Zip: 50569. Tel: 972-4475. StudioMgr & ChiefEng: Keith Brown. (1 studio. 16-tr. rec.)

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- MANHATTAN (Area Code 785)
  Don Ward Prod ns, 1215 Houston St, Zip: 66502. Tel: 537-1582. (6-tr. rec.)
  Services: Audio—Lib. Music & SFX.

- NEWTON (Area Code 316)

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  High Fidelity Rec'g Inc, 1059 Porter, Zip: 67202. Tel: 262-6456. Owner: Nancy Strahan; StudioMgr & ChiefEng: James Strahan. (1 studio. 16-tr. rec.)

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- COVINGTON (Area Code 606)
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- FAIRDALE (Area Code 502)
  Fultz Rec'g Studio, 12101 Golf Ln, Zip: 40118. Tel: 363-0581. (16-tr. rec.)
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  Services: Audio—Lib. Music & SFX.

- CROWLEY (Area Code 318)
  Modern Music Center, 413 N. Parkerson Ave, Zip: 70626. Tel: 783-1601. (1 studio. 18-tr. rec.)
  Services: Audio—Lib. Music & SFX.

- LAFAYETTE (Area Code 337)
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  Services: Audio—Remote, Press. Dupl'n—Cassette, Cassette, Open Reel. Film—Score w/o Pic. Video—Score w/o Pic.

- LAKE CHARLES (Area Code 318)
  Goldband Rec'g Studio, 313 Church St, Zip: 70601. Tel: 439-8939. Owners: Eddie Shuler; StudioMgr & ChiefEng: Jeff LeJune. (1 studio. 8-tr. rec.)
  Services: Audio—Press. Dupl'n—Open Reel.

LEXINGTON (Area Code 606)
Sun-Ray Recs, 1862 Wyatt Pkwy, Zip: 40505. Tel: 254-7474. Owner: James J. Price; VP & StudioMgr: Harry Price; ChiefEng: Allen Vanderpool; Curtis Cox. (1 studio. 8-tr. rec.)

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Allen Martin Prod ns Inc, 9701 Taylorsville Rd, Zip: 40299. Tel: 267-9658. (3 studios. 16-tr. rec.)

Derbytown Sound Studios, 5900 Outer Loop, Zip: 40219. Tel: 698-3320. Owners: StudioMgr & ChiefEng: John Wesley, ChiefEng: Rick Story. (2 studios. 8-tr. rec.)
Services: Audio—Dupl'n—Cassette.

House of Truth Studio (ev. of House of Truth Church). 3701 W. Broadway, Zip: 40211. Tel: 776-5781. (1 studio. 4-tr. rec.)
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  • BILLINGS (Area Code 406)
    Jester Sound, 423 Kuhlm AVE., Zip 59101. Tel: 245-9174. Owner: Various; Chief Eng.: Ed Grenke. (4 studio 16-tr. rec':g)
  • HELENA (Area Code 406)
    Valtron Rec 'g Studio, 305 Allen St. Zip: 59601. Tel: 422-0734. Owner; Studio Mgr. & Chief Eng.: Lester Leidt. (2 studios: 4 tr. rec':g)

NEBRASKA

- **OMAHA (Area Code 402)**
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NEW HAMPSHIRE

- **EPPIE (Area Code 603)**
  Concert Rec's., PO Box 6 Zip: 03024. Tel: 785-5220. Owner, Studio Mgr.: George J. DeCuir; Chief Eng.: Lee Cunningham. (1 studio: 16-tr. rec':g)

NEW JERSEY

- **ALLENDALE (Area Code 201)**
  United Masterworks Rec 'g Co., Ltd., 440 Newark Pl. Zip: 07401. Tel: 359-2147. Owner: Joseph B. Terlecki; Studio Mgr.: Edward K. Sprague; Chief Eng.: John McMillan. (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **ASBURY PARK (Area Code 201)**
  Sound-Art Co. Inc., 10879 Northfield Ave. Zip: 07712. Tel: 493-8666. Studio Mgr.: C.J. Gossan; Chief Eng.: Frank M. Gossan. (12 studio 24-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **CAMDEN (Area Code 609)**
  (Also see listings under Pennsauken, N. J.)
  Phoenix 113 Rec 'g Studio, 8 Collingswood Ave. Zip: 08108. Tel: 563-3190. Owners: Frank B. & Michael N. Nicer; Studio Mgr.: M.J. Markhelt; Chief Eng.: Kevin Rice. (2 studio 24-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **CHERRY HILL (Area Code 609)**
  Cherry Hill Rec 'g Studio, 11 Bellamy Rd. Zip: 08032. Tel: 663-1449. Owner: Various; Studio Mgr.: Eddie Walker; Chief Eng.: John McManus. (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **EAST ORANGE (Area Code 201)**
  Eastern Art's Rec 'g Studio, 36 Maplewood Ave. Zip: 07017. Owner & Studio Mgr.: Mike Galanty; Chief Eng.: Christopher Eriksen (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **ENGLEWOOD CLIFFS (Area Code 201)**
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **HAWORTH (Area Code 201)**
  Trutone Rec s., 163 Terrace St. Zip: 07640. Tel: 385-9940. Owner, Studio Mgr.: Chief Eng.: (1 studio: 16-tr. rec':g)

- **MAPLE SHADE (Area Code 609)**
  Onyx Rec 'g, 427 Kuhlm AVE., Zip: 08052. Tel: 367-1967. Owner, Studio Mgr.: & Chief Eng.: Mike Caton. (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **MONTCLAIR (Area Code 201)**
  Dimension 3 Rec 'g Co., Box 226 Zip: 07044. Tel: 264-0590. Owner, Studio Mgr.: Chief Eng.: (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **MORRISTOWN (Area Code 201)**
  Omnis Rec 'g Studios, 44 Abbott Ave. Zip: 07960. Tel: 539-6884. Owner, Studio Mgr.: Chief Eng.: (1 studio: 16-tr. rec':g)

- **NEW MILFORD (Area Code 201)**
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **PLUCKEMIN (Area Code 201)**
  Dale Apple & Father, Box 32 Zip: 07708. Tel: 656-3026. (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **SOMERVILLE (Area Code 201)**
  LeMans, 331 Triangle Rd. Zip: 08876. Tel: 359-5520. Owner, Studio Mgr.: Chief Eng.: Bernard Goodhal (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **SOUTHAMBOY (Area Code 201)**
  Tresco, 8147 W. 44th St. Zip: 07754. Tel: 733-7540. Owner, Studio Mgr.: Chief Eng.: Robert Both. (1 studio: 16-tr. rec':g)

- **WEST MILFORD (Area Code 201)**
  Twain Rec 'g, 18 Moehlhauser Park Ave. Zip: 07480. Tel: 937-7540. Owner, Studio Mgr.: Chief Eng.: Eddie Walker. (1 studio: 16-tr. rec':g)
  • Services: Audio—Remote, Mix., SMPTE Interface.

- **WEST ORANGE (Area Code 201)**
  • Services: Audio—Remote, Mix., SMPTE Interface.
NEW MEXICO

- ALBUQUERQUE (Area Code 505)
John Wagner Prod. Inc., 202 Wisconsin NE, Zip 87108. Tel: 265-3441. Owner: John Wagner. (2 studios, 24-tr. rec. g)
Services: Audio—Press

- CLOVIS (Area Code 505)
Norman Petty Studios, Box 926, 1321 W. Seventh St., Zip 88101. Tel: 263-7645. Owner & Studio Mgr: Norman Petty. Chief Eng.: Herman Halse (8 studios, 24-tr. rec. g)

- LAS CRUCES (Area Code 505)
Emmitt Brooks Rec. Studio, 115 E. Idaho Ave, Zip 88001. Tel: 524-1889. Owner, Studio Mgr & Chief Eng.: Emmitt H. Brooks (1 studio, 16-tr. rec. g)

NEW YORK

- ALBANY (Area Code 518)
Services: Audio—Lib.; Music & SFX. Other Servs.—Electronic Music, Post & Rec. g

- BALLSTON LAKE (Area Code 518)
SpectraSound Rec. Co., 14 Parson Pt., Zip 12019. Tel: 877-5548. Owner & Chief Eng.: Marc Johnson. Studio Mgr: Joan Johnson (6 studios, 4-rec. g)
Services: Other—LP Prod. n

- BEARSVILLE (Area Code 914)
Bearsville Sound Studio, Box 135, Speerez Rd., Zip 12409. Tel: 678-7303. Owner: Alphonse Grif. Chief Eng.: Steve Siegel (1 studio, 24-tr. rec. g)
Services: Video—Score w/o Pic.; Video—Score w/o Pic.; Other Servs.—Photography (Color), Graphic Arts (Caligrafico, Jingle Prod n (Single Jingle Prod n), Artist Mgmt. Voice-Over Talent

- CHEEKTOGRA (Area Code 716)
Grenadier Audio, 3 Ute Ln, Zip 14227. Tel: 686-1133. Owner & Chief Eng.: Tom Greene. Studio Mgr: J. F. Greene. (24-tr. rec. g)
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- EAST ISLIP (Area Code 516)
Iann London, 229 Sherry St., Zip 11730. Tel: 581-9035. Owner, Studio Mgr & Chief Eng.: Kenneth Wallace. (1 studio, 16-tr. rec. g)

- ELMSFORD (Area Code 914)
R.C. Recs. Sound Studio, PO Box 126, 4 William St., Zip 10523. Tel: 592-7883. Owner, Press, Studio Mgr & Chief Eng.: Ron Carpenter (2 studios, 16-rec. g)

- FERNDALE (Area Code 914)
Recknagel, Box 217, Old Rt. 17, Zip 12734. Tel: 292-5995. Owner & Chief Eng.: Paul Garry. Studio Mgr: Patricia James (1 studio, 2-rec. g)

- FORT EDWARD (Area Code 518)
2 B S Media Inc., RD 1, Zip 12828. Tel: 695-6406. VP & Studio Mgr: Gregory Shilton. Chief Eng.: Bob Bieback (1 studio, 8-rec. g)
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- GARRISON (Area Code 914)
Garrison Audio Servs., Zip 10524. Tel: 424-3800. Owner: John Heinmann (8-tr. rec. g)
Services: Audio—Remote

- HARTSDALE (Area Code 914)

- HILTON (Area Code 716)
Audio Image, 36 Little Tree Ln. Zip 14468. Tel: 392-9500. Owner, Studio Mgr & Chief Eng.: Larry Ellis. (1 studio, 8-tr. rec. g)

- ITHACA (Area Code 607)
Services: Audio—Lib.; Music & SFX. Film—Score w/o Pic., Video—Score w/o Pic., Other Servs.—Photography (Color), Graphic Arts (Caligrafico, Jingle Prod n (Single Jingle Prod n), Artist Mgmt., Voice-Over Talent

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Demo-Vox Sound Studio Inc., 1038 Bay Ridge Ave, Brooklyn 11219. Tel: 680-7234. Pres. & Chief Engr: Fram J. Grassi. Studio Mgr: Laura Grassi (1 studio, 16-tr rec’g)

Dimensional Echo Sound, 301 W 54 Str. Zip 10019. Tel: 247-6010. Owner & Studio Mgr: Ed Chaplin (2 studios, 24-tr rec’g)
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ERAS Rec’g Studio, 726 E 54 Str. Zip 10022. Tel: 832-8020. Owner: B. Medyn. Studio Mgr: Ray Volpe. Chief Engr: Dorni Zinizon (1 studio, 24-tr rec’g)

East Side Sound Co, 99 Orchard St. Zip 10002. Tel: 226-6365. Owner, Studio Mgr: Chief Engr: Lou Holtzman. (1 studio, 24-tr rec’g)

Electric Lady Studios, 52 W. 4th St. Zip 10011. Tel: 677-4-700. Owners: Hal & Mally Schiller. Mgr: Steve Brumlow. Chief Engr: Dave Wittman. (3 studios, 24-tr rec’g)
Services: Audio—Lib: Music & SFX. Press, Dup’n—Cassette.

El Rey Rec’g Inc. 8 W 20 Str. Zip 10011. Tel: 243-1405. Owners: chief Engr: Bernard Fox. Studio Mgr: George Kasare (16-tr rec’g)

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Opal Studios Inc. 264 W. 54 St. Zip. 10019. Tel. 489-6097. Owners: John Gomer. Elliot Rosoff; Studio Mgr.: Terry L. Rodie; Chief Eng.: Llew Horowitz. (1 studio: 24-tr. rec. g.)

Services: Audio—Lib. Music & SFX. Video—VTR

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Caruso Sound: Eden Garden Studio, 25 E. Garrett Rd., Upper Darby 19083 Tel: 352-0234 (1 studio. 24-tr. rec'g).


DeLite Rec'g. Sound, 3701 Ridge Ave. Zip. 19112 Tel: 272-5274 (24-tr. rec'g).


Eenmark Rec'g, Studios, 400 Green St. Zip. 19123 Tel: 563-8959. Owner & Chief Eng.: Steve Bruno, Studio Mgr.: Lee Washington. (1 studio. 24-tr. rec'g).

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  Viscount Rec’g Studio, 486 Wellington Ave. Zip: 02910
  Tel: 467-9362. Owner, Studio Mgr. & Chief Eng. Russell J. Martin. (1 studio, 16-tr. rec’g)

- PROVIDENCE (Area Code 401)
  WARRIEN (Area Code 401)
  Smart Remark Rec’g, Box 3, 2287. 151 Keelie Ave. Zip: 02910. Tel: 736-6914. Owner, Studio Mgr. & Chief Eng. Bill Mullen. (1 studio, 8-tr. rec’g)
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- WARREN (Area Code 401)

- WARRICK (Area Code 401)
  Thunderbird Rec’g, 704 North Ave. S. Zip: 29577, (studio) 1806 Highmarket, Georgetown, 29440, Tel: 468-0091. Owner, Studio Mgr. & Chief Eng. Stan Deppen Jr. (1 studio, 4-tr. rec’g)
  Services: Audio—Press, Dupl.—Film—Score w/ or w/o Pic., Video—VTR. Other Servs.—Arrangers, Musicians, Prod. n. Record Dist’n & Representation.

- MYRTLE BEACH (Area Code 803)
  Dees Rec’g Services, MP 1039, Sunset Blvd. By-Pass 76, Zip: 29510. Tel: 577-7398. Owner, Studio Mgr. & Chief Eng. Pete Ridgeway. (1 studio, 4-tr. rec’g)
  Services: Other—Jingle Prod.

- SOUTH CAROLINA

- COLUMBIA (Area Code 803)
  Masterpiece Studio, 4478 Fox Jackson Blvd. Zip: 29009
  Owner, Studio Mgr. & Chief Eng. Joel Johnson. (1 studio, 4-tr. rec’g)

- GREENVILLE (Area Code 803)

- MOORE (Area Code 803)
  Southern Charma Inc. (div. of Charma Ent’s Inc.), PO Box 267, 104 Main St. Zip: 29369. Pres. & Studio Mgr. Edward L. Bayar, Chief Eng. Jarr Dann. (1 studio, 24-tr. rec’g)
  Services: Audio—Press, Dupl.—Film—Score w/ or w/o Pic., Video—VTR. Other Servs.—Arrangers, Musicians, Prod. n. Record Dist’n & Representation.

- NEWBERRY (Area Code 803)
  Mother Clee Prod’ns Studios, PO Box 116, Sunset Blvd. By-Pass 76, Zip: 29180. Tel: 273-0635. Owner & Chief Eng. Hayma Flax, Studio Mgr. Polly Davis. (2 studios, 8-tr. rec’g)

- FAYETTEVILLE (Area Code 803)
  Klio-Pat (AAA) Rec’g Studio, PO Box 554, Hollywod Dr. Zip: 37045. Tel: 435-456-0171. Owner, Studio Mgr. Tilden Salyer, Chief Eng. Rick Salyer. (2 studios, 24-tr. rec’g)

- CRANSTON (Area Code 401)
  Southern Charma Inc. (div. of Charma Ent’s Inc.), PO Box 267, 104 Main St. Zip: 29369. Pres. & Studio Mgr. Edward L. Bayar, Chief Eng. Jarr Dann. (1 studio, 24-tr. rec’g)
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  Sumter Rec’g Services, PO Box 249, Sumter, SC 29150. Tel: 468-0091. Owner, Studio Mgr. & Chief Eng. Stan Deppen Jr. (1 studio, 4-tr. rec’g)
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- KINGSPORT (Area Code 423)
  Tri-State Rec’g Co., PO Box 3860, 2008 E. Center St. Zip: 37664. Tel: 246-9701. Owner & Studio Mgr. Chris Whiteley. (2 studios, 16-tr. rec’g)

- KNOXVILLE (Area Code 865)

- LEBANON (Area Code 615)
  Pickin’ Post. Rt. 1, Watertown Hwy. Zip: 37087. Tel: 449-

TENNESSEE

- CHATTANOOGA (Area Code 615)
  Dunn Sound Prod’ns Inc., 301 N. Market, Zip: 37405. Tel: 877-3060. (1 studio, 16-tr. rec’g)

- FAYETTEVILLE (Area Code 615)
  Klio-Pat (AAA) Rec’g Studio, PO Box 554, Hollywod Dr. Zip: 37045. Tel: 435-456-0171. Owner, Studio Mgr. Tilden Salyer, Chief Eng. Rick Salyer. (2 studios, 24-tr. rec’g)

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Mastercraft Rec's Corp.  437 N. Cleveland St. Zip. 38104 Tel. 274-2100. Owner & Studio Mgr: Howard Craft; Chief Eng: James Craft. (2 studios. 16-tr. rec g)

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B & S Rec’g Studio, 5925 Kirby Dr. Suite 226. Zip 77006. Tel: 522-2714. Owner, Studio Mgr & Chief Eng: Swetman Bisuell. (1 studio: 4-tr. rec g)

Services: Other—Arranging, Conducting, Prod’n, Mgm Consultation.

Butterfield Studio, 1310 Tulane Dr. Zip: 77008. Tel: 884-0705. Owner & Chief Eng: Charlie Bickley. Studio Mgr: Trenn Burns. (1 studio: 16-tr. rec g)


L D Systems. 3004 Yale Ave. Zip: 77018. Tel: 868-9080. (4-tr. rec g)


Sound Masters (d/b/a of Nashville Sound Inc.). 9717 Greenspoint Blvd. Zip: 77033. Tel: 695-3848. Studio Mgr: Joel Johnson. Chief Eng: David L. Kneasly. (1 studio: 24-tr. rec g)


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Falcon Rec’g Studio (d/b/a of House of Falcon). N. Beniten Rd. Zip: 78501. Tel: 688-9994. Studio Mgr & Chief Eng: Mark Ramirez. (1 studio: 4-tr. rec g)

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Services: Audio—Lib. SXF

• SAN ANTONIO (Area Code 512)


• SAN BENITO (Area Code 512)

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Services: Audio—Press

• TYLER (Area Code 214)

Custom Sound Studio. 1317 S. Peach St. Zip: 75701. Tel: 597-2961. (8-tr. rec g)


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UTAH

- OGDEN (Area Code 801)
  Mountain Meadow Rec’g, 570 S 26th St, No. 1, Zip 84401. Tel: 348-3217. Owner, Studio Mgr & Chief Eng: Ronald Watkins (1 studio, 24-hr rec’g). Services: Film—Score w/o Pic, Video—Score w/o Pic. Other Services:—

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- ARLINGTON (Area Code 703)

- BRISTOL (Area Code 703)

- CHESAPEAKE (Area Code 804)
  Fink/Pinewood Rec’g, PO Box 5341, Zip 23224. Tel: 627-0957. Pres & Chief Eng: Bill Johnson. Arranger & Studio Mgr: Billy Austin. (1 studio, 16-hr rec’g). Services: Audio—Disk Master. Press.

- FALLS CHURCH (Area Code 703)

- McLEAN (Area Code 703)
  Loh Rec’g Studio, 607 Chant Bridge Rd, Zip 22101. Tel: 524-5631. Owner: Dr. Charles Bogdonoff. (1 studio, 24-hr rec’g).

- RICHMOND (Area Code 804)

- ROANOKE (Area Code 703)
  K A Rec’g & Sound Corp, 410 Elm Ave, Zip 24016. Tel: 346-2539. Owners: Howard Baysley, Harold Thompson, Studio Mgr: Howard Baysley. Chief Eng: J. Harold Thompson. (1 studio, 16-hr rec’g). Services:—
  STAUNTON AREA (Area Code 703)
  Flowers Rec’g Studio, Box 120-A, Rt 1, Swoope 24479 Tel 888-3309. Owner, Studio Mgr & Chief Eng: Charles A. Flowers (1 studio, 16-hr rec’g). Services: Audio—Remote. Lib. SFX. Dupl’n—Cassette. Special Features—Rural Setting.

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  Canyon Sound Concepts Rec’g (Div of DLR Corp), 108 W Center, Zip 99004. Tel 359-2286 Studio Mgr: Harvey Glikson. Chief Eng: Frank Stearns. (1 studio, 16-hr rec’g). Services: Video—Score w/o Pic. Mia. SMPTE Interface. VTR.

- OLYMPIA (Area Code 206)

- REDMOND (Area Code 206)
  Pacifice Rec’g Inc, 4572 150 Ave NE Zip 98052. Tel: 746-0734, 882-0948. Owner & Studio Mgr: John Frechette. (1 studio, 16-hr rec’g). Services: Audio—Lib. SFX.

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One Of The Hottest Studios
In The Great Northwest!!

Reading about a recording studio is as useless
as listening to a book.

We're in the sound business, and we
sound great.
But the only sure way to get an idea
of what we can do for you is to hear
what we're doing for others.
Write for our demo package. We think
you'll like what you hear.

酝pha Audio.  ALlPHA DESCRIPTIVE CORP. NATION.
1979 - 1980 INTERNATIONAL RECORDING EQUIPMENT & STUDIO DIRECTORY
The numbers in parentheses following the 8-track & cassette configurations show recording time in minutes, those following open reel configurations show length of tape in feet.

A.A., see Audio Accessories
A.M.P., see Alpha Media
A.V.A., see Abby Tape
A.V.T., see Abby Tape


Andol Audio Prod., Inc. 2412 14 Ave., Brooklyn, N.Y. 11211 Tel: (212) 514-3800. Pres: Anthony Montana. Sales Mgr: Salvatore Rocca. Audio: Cassette (1' x 90').


Audio Systems Corp. 38 W 515 Deepth Road, Batavia, N.Y. 65010 Tel: (312) 978-5998. Sales Mgr: John S. Makortch. Audio: 8- track, cassette, loopless tape cassette (custom lengths).

Audionude Co. PO Box 825, San Jose, Calif. 95101 Tel: (408) 287-3100. Audio: Cassette, open reel & broadcast (custom lengths).

Audiofax, see Cassette Inc.


Audio Magnetics Corp. 2602 Michelson Dr., Irvine, Calif. 92716 Tel: (714) 553-5300. Audio: Cassette, open reel, 8-track, broadcast (custom lengths). Audio: Cassette, open reel (1070' x 10' x 10').

B & S Systems, Inc. Brubury Dr., Bedford, Mass. 01730 Tel: (201) 271-4000.

Branches: Santa Monica, Calif.; 1307 Colorado Ave., Santa Monica, Calif. 90404 Tel: (213) 938-6100. Audio: Cassette, open reel, 1070' x 10' x 10' (10'), 750' x 7.500' (7.50').

Brats: Chicago, Illinois; 60014-2600; 1800' x 1.800' (1800').

Audio Magnetics Corp. 2302 Michelson Dr., Irvine, Calif. 92716 Tel: (714) 553-5300. Audio: Cassette, open reel, 8-track, broadcast (custom lengths). Audio: Cassette, open reel (1070' x 10').


Audio: Cassette (90, 120, 150).

Alpha Media Inc. PO Box 254452, Sacramento, Calif. 95825 Tel: (209) 383-3373. Audio: Cassette (45, 60, 90, 120, 150).


Audio: Cassette, open reel.

Attica Name: Remington.


Audio: Cassette, open reel (1200', 1800', 2500', 3600'); broadcast (600', 900', 2500', 3600'). Video: 1'' open reel (1250', 2400'). 1/2'' Beta cassette (5000', 10000').


At TDK, we know that your test cassette is a vital element of your laboratory or service procedure. So when we created a series of test tapes, we approached them as integral components, with both tape and housing engineered as precisely as your test instruments. You’d expect that from the makers of TDK SA, the high bias reference standard for many manufacturers’ cassette decks. TDK test cassettes don’t jam and they’re dropout-free. They’re built to last under unceasing use. If you’re a store service manager, assembly line quality control inspector, or highly discerning audiophile, you need that kind of precision and reliability. To make absolutely sure you get it, we custom quality-control each and every one.

No matter what data you need, TDK has a test cassette to help you find it out: bias/EQ alignment; playback level calibration; Dolby calibration; head azimuth alignment; wow and flutter and tape speed and 11, five and three-point frequency characteristic checks.

Check out the complete line of TDK test cassettes by writing, or calling (516) 746-0880. When you do, find out about our bulk duplication cassettes, bulk duplication pancake tape, audio visual, leaderless, data and endless cassettes, too. You’ll find that the same TDK quality and reliability that goes into our test tapes applies all the way down the line.
The following is a list of studios and schools that offer courses or workshops in the recording arts. The list is based on recommendations of US studies listed elsewhere in this directory.

ALABAMA
Broadway Sound Studio/Univ. North Alabama: 1307 Broadway, Muscle Shoals 35661 Tel: (256) 675-7000 Contact: Mark McDaniel

Recorded Arts of the University of Alabama: 300 14th Avenue SE, Tuscaloosa 35487 Tel: (205) 348-2244 Contact: John Miller

University of Alabama: 207 Music Hall, Tuscaloosa 35487 Tel: (205) 348-3101 Contact: Dan Foreman

Spring Hill College: 2000 Hillside Road, Mobile 36608 Tel: (205) 348-6111 Contact: George Hedges

ARIZONA
Sonic Recording Institute: 1114 E. 1st Ave., Tucson 85719 Tel: (520) 621-0504 Contact: Michael Reynolds

Colorado Sound Art Center: 502 E. 1st Ave., Denver 80203 Tel: (303) 297-2471 Contact: John Van Horn

CONNECTICUT
Business Administration: Media Arts Institute of New England: 125 Church St., New Haven 06518 Tel: (203) 435-2669 Contact: Marjorie Jones

Palo Alto College: 4200 Palo Alto Blvd., San Antonio 78228 Tel: (210) 489-0000 Contact: Rick Babcock

DISTRICT OF COLUMBIA
Catholic University: 4200 New York Ave., NW, Washington 20016 Tel: (202) 635-5000 Contact: Cathy Feenstra

FLORIDA
Florida State University: 2000 University Ave., Tallahassee 32306 Tel: (904) 834-1200 Contact: Rich Balber

University of South Florida: 4202 E. Cram Rd., Tampa 33620 Tel: (813) 974-5100 Contact: Steve Gandy

GEORGIA
Georgia Institute of Technology: 700 W. Paces Ferry Rd., Atlanta 30308 Tel: (404) 894-5000 Contact: Bill Porter

HAWAII
University of Hawaii: 4200 University Ave., Honolulu 96822 Tel: (808) 956-8000 Contact: Richard Lipton

ILLINOIS
Columbia College: 606 S. Michigan Ave., Chicago 60605 Tel: (312) 856-1600 Contact: Howard Kaplan

Illinois State University: 1000 W. Laramie Ave., Chicago 60607 Tel: (312) 996-2200 Contact: George Fogle

University of Illinois: 201 N. University Ave., Urbana 61801 Tel: (217) 333-2600 Contact: John Hawkins

INDIANA
Butler University: 600 Sunset Ave., Indianapolis 46208 Tel: (317) 298-8000 Contact: Barbara Ingoldby

Indiana University: Bloomington 47402 Tel: (812) 332-0211 Contact: Telephone: (812) 332-0211

University of Notre Dame: 100 University Ave., South Bend 46656 Tel: (574) 631-2000 Contact: William B. Locke

IOWA
Mid-American Recording Studios: 1300 N. Lafayette Ave., Des Moines 50309 Tel: (515) 732-2475 Contact: Mark D. Berry

University of Iowa: 1540 University Ave., Iowa City 52242 Tel: (319) 335-5976 Contact: Lowell Cross

KANSAS
Kansas State University: Manhattan 66502 Tel: (913) 532-6011 Contact: Richard S. Johnson

University of Kansas: 1460 Edgerton Hall, Lawrence 66047 Tel: (785) 864-3811 Contact: Richard L. Cooper

LOUISIANA
Recording Institute of America: 1700 Magazine St., New Orleans 70116 Tel: (504) 581-1212 Contact: Dave Park

MICHIGAN
Michigan State University: 355 W. Michigan Ave., East Lansing 48824 Tel: (517) 353-4000 Contact: Robert J. Giffin

MINNESOTA
Brown Institute: 2601 Texas Ave., Minneapolis 55404 Tel: (612) 721-2481 Contact: William Johnson

University of Minnesota: 1975 Gortner Ave., St. Paul 55114 Tel: (612) 624-3891 Contact: Jeff McFarland

MISSISSIPPI
Jackson State University: 1325 Lynwood St., Jackson 39203 Tel: (662) 915-7200 Contact: Jim Hamsford

MISSOURI
St. Louis Community College: 1220 S. 12th St., St. Louis 63104 Tel: (314) 994-3333 Contact: Elizabeth Rankin

NEBRASKA
University of Nebraska: 600 N. 14th St., Omaha 68102 Tel: (402) 552-3800 Contact: Richard A. Koehler

NEVADA
University of Nevada: 6200 South Drive, Las Vegas 89104 Tel: (702) 895-4211 Contact: Dowane Brooks

University of Nevada-Las Vegas: 450 S. Maryland Pkwy., Las Vegas 89101 Tel: (702) 895-4211 Contact: Robert H. Rollins

University of Nevada-Reno: 1660 South Virginia St., Reno 89501 Tel: (775) 784-4444 Contact: Jim Hamsford

University of Nevada-Las Vegas: 450 S. Maryland Pkwy., Las Vegas 89101 Tel: (702) 895-4211 Contact: Richard A. Koehler

University of Nevada-Reno: 1660 South Virginia St., Reno 89501 Tel: (775) 784-4444 Contact: Jim Hamsford

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University of Nevada-Reno: 1660 South Virginia St., Reno 89501 Tel: (775) 784-4444 Contact: Jim Hamsford
**BAHAMAS**

- **recording studio**

Compass Point Studios, P.O. Box N4599, Nassau, Tel: (090) 327-8282. Telex: COMPT 20-302. Studio Mgr: Lorraine Fraser. Gen. Mgr: Richard Lee. (2 studios: 46-tr. rec.)

**BELGIUM**

- **recording studio equipment manufacturers/manufacturers**

AEG-Telefunken SA, 40 Rue Souveraine, B-1050 Brussels. Tel: (02) 512-7940. Product: Recording & Monitoring—tape recorders (32-tr.)


- **independent record producers**


“Having expanded, we now have a recording facility comparable with any studio, anywhere. The setting here is incredible; I mean you can come and work without any of the hassles. Our staff are the most pleasant and helpful I’ve ever worked with. What else can I say, it’s got it all.”

RICH LEE, General Manager
The studio
your imagination's been
waiting for...

... is here at Eastern Sound.
Our staff and the studio design and equipment in both of our 24 track rooms have been selected with one aim... to get your ideas on tape the way you imagined them. That's our function... and we think both our staff and hardware will extend the range of concepts you can get on tape. This is a challenge we meet every day. We'd like to meet yours... and you.

Studio 1

Studio 2

At your disposal too are our video and film sync facilities. These sophisticated systems can handle overdubs to video-tape, film scoring and complete variety show recording/tapings.

VIDEO

Eastern Sound Company Limited 48 Yorkville Avenue, Toronto, Canada M4W 1L4 Telephone: (416) 920-2211


**Telephone Tape Blank, Loaded**

The numbers in parentheses following the 8-track & cassette configurations show recording time in minutes; those following open reel configurations, show length of tape in feet.

Amorco of Canada Ltd., 132 East Er St., Bramoila, Ont. L6T 39.
Tel: (416) 791-3100. VP & Gen. Mgr.: J. L. Neiger.

Brand name: Magnetone Cpr. of Canada Ltd.

Braun, Montreal, P.Q., 4750 Blvd des Grondines. Postal Code: H1R 1A1. Tel: (514) 326-4075. Tel: 052 4252. 

Int'l Branch.

Product Recording & Monitoring—TEAC/TASCAM.

4.5-6.5 , 45-60. 120. 90.

Audio: Cassette. open reel.

Brand name: Cycles, see London Recs. of Canada Ltd.

Dynamax, see Superior Electronics Inc. Ltd.

Edmund Scientific Prods. Co., 3500 Bathurst St., Toronto, Ont. Tel: (416) 776-4973.

Audio: Cassette.

Brand name: Vim-Loo.


Audio: Cassette.

Brand name: Fineline.

Tape recorder.


Audio: Cassette.

Brand name: Fineline.

Tape recorder.


Audio: Cassette.

Brand name: Fineline.

Tape recorder.


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Tape recorder.


Audio: Cassette.

Brand name: Fineline.

Tape recorder.
Bill Cosby tells why Red Cross needs your type of blood.

“Every day of the week, there’s somebody who needs your type of blood.

“But the thing about blood is: it doesn’t keep very long. Which means we’ve got to keep the supply coming constantly. Donors are needed every day.

“Sorry to say, there are never enough donors.

“In fact, five people out of every 100 are doing the whole job. That’s right, five percent of the people give 100 percent of the blood that’s donated.

“If you’re between 17 and 66, and generally healthy, you can help change all that. And your one blood donation can help up to five people to live.

“Call your Red Cross Blood Center and make a donor appointment soon. It’s one way you can help keep Red Cross ready... to help others.”

Keep Red Cross ready.
International

Thompson (Canadian sales office for Capital Magnetic Tape Div.
Audio: B/r Cassette, open reel

Brand Name: Captast
Finsa Canada Ltd., 600 Islington Ave., Toronto, ON. M6E 4N7.

Tel: (416) 777-8888. Pres. & Coo: H. O. Brown.

Yorktown. Coo: J. A. Stein.

Pan Canada Magnetics Ltd., 1072 Rangeview Rd., Port Credit.

Audio: B/r Cassette, open reel

Broadcast品: Audio: Recording Studios

Kelly Deoing Record'g Services, W. Broadway. Postal Code.
Swee Intermagnetics Canada, 77 Steelecase Rd., Unit C.

Audio: Casette, open reel

Brand Name: Agafa
Swin Intermagnetics Canada, 77 Steelecase Rd., Unit C.

Audio: Cassette, open reel

MASCOTT (Area Code 604)
Prairie Sound Prod.'s, 679 Cornish Ave. Postal Code.

Audio: Lib, Recording, Lib, FX, Film - Score w/ Pic, Video: SMPTE Interlock, Other Stuff. Lib, Lib, Lib, Lib, Lib.

Custom Jingles: Jacket Layout, Professional Side Musicians.

VANCOUVER (Area Code 604)
Kevin Deering Rec'd, 905 Cambie, Postal Code.

Audio: Lib, Recording, Lib, Music & FX, Film - Score w/ Pic, Video: SMPTE Interlock, Other Stuff. Lib, Lib, Lib, Lib, Lib.

SFX, Lib, Music & FX, Film - Score w/ Pic, Video: SMPTE Interlock, Other Stuff. Lib, Lib, Lib, Lib, Lib.

SFX, Lib, Music & FX, Film - Score w/ Pic, Video: SMPTE Interlock, Other Stuff. Lib, Lib, Lib, Lib, Lib.

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SFX, Lib, Music & FX, Film - Score w/ Pic, Video: SMPTE Interlock, Other Stuff. Lib, Lib, Lib, Lib, Lib.
**FINLAND**

**recording studio equipment, manufacturers / importers**

Amperex, see Amperex listing in Sweden for equip.

Chester, see Chester listing in Sweden for equip.

Boise, see Boise listing in Sweden for equip.

AFL, see AFL listing in Sweden for equip.

**tape, blank loaded**

Agfa-Gevaert AB (OY) Suomansuuntaus, SF-2270 Espoo 27 Tel (90) 871-1187 Mgr. Dr. W. Staudinger, Sales Mgr. B. Haastee Audio: Compu-Cassette, open reel

**tape, bulk raw**

Merckem AB OY, Po Box 29, Manneheimmiehelli 12, SF-00100 Helsinki 10. Tel (90) 259.59 Audio: E-80100 Helsinki Tel (90) 259.59 Audio: Cassette, open reel

**recording studios**

Aanibostel, Mechkellin 19 B3, SF-00100 Helsinki 10 Tel (90) 394-111 Owner & Studio Mgr. Harry Jakobsten Birding Studios, 5 Sparks, SF-00100 Helsinki 1 Tel (90) 824-840 Contact: Leif Kiviharju Bruunham, Gladiol, SF-00100 Helsinki 3 Tel (90) 969-210 Owner, Studio Mgr. & Chief Eng. J. Markkula Audio: 8 internal bub. 8 rec. (8 x 4b) System: 10 b. 8-t. 6 x 6" x 4" Audio: Cassettes, open reel

**independent recording producers**

Moonshine Oy Pakkastorengut, SF-00520 Helsinki 52. Tel (90) 143-133 Tel: 123396 Moon Chief: Timo Välimaa, Owner: Richard Stanley Label credit: Kirskios, Love, Poko, RCA.

**FRANCE**

**recording studio equipment, importers**


**recording studies**

Aalstelo, Mechichellin 19 B3, SF-00100 Helsinki 10 Tel (90) 394-111 Owner & Studio Mgr. Harry Jakobsten Birding Studios, 5 Sparks, SF-00100 Helsinki 1 Tel (90) 320-401 Contact: Leif Kiviharju Bruunham, Gladiol, SF-00100 Helsinki 3 Tel (90) 969-210 Owner, Studio Mgr. & Chief Eng. J. Markkula Audio: 8 internal bub. 8 rec. (8 x 4b) System: 10 b. 8-t. 6 x 6" x 4" Audio: Cassettes, open reel

**Services Audio:**

- **Desk Master:** Libr. Mgr & SFX, Press, Dupl., n- Cassette.

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**International**

International

GERMAN FEDERAL REPUBLIC (WEST)

• recording studio equipment manufacturers/ importers

A E G Telefunken Energie & IndustrieTechnik AG Magnetophon-Fabrik Postfach 1145, D-6500 Mainz. Tel (06131) 18-26-24 (Tele 06174)


Product: Recording & Monitoring—HARRISON consoles (40 input, 40 output); studio tape recorders (40 input, 40 output); TALKBACK systems. Technics equipment (cassette, CD player, studio tape recorder, mixers,ущ. loudspeakers. CD player, video program recording, programming, audio, visual presentation. (0711) 754319.

Jesko Fritz, Robert-Mayrstr. 54, D-6000 Frankfurt/Main (061) 77-3001-0. (040) 14077.

Product: Recording & Monitoring—HARRISON consoles (40 input, 40 output); studio tape recorders (40 input, 40 output); TALKBACK systems. Technics equipment (cassette, CD player, studio tape recorder, mixers,ущ. loudspeakers. CD player, video program recording, programming, audio, visual presentation. (0711) 754319.


Bilboard 1979-1980 International 108

Cassette, Open Reel, Blank & Loaded


Product: Tape—splicing & editing equipment, tape splicing & editing equipment. (04102) 29-12.


Product: Recording & Monitoring—API consoles; 3 m tape recorders (24-Bit). (0211) 785320.


Product: Recording & Monitoring—API consoles; 3 m tape recorders (24-Bit). (0211) 785320.


Tape, raw, blank & loaded


Product: Tape—splicing & editing equipment, tape splicing & editing equipment. (04102) 29-12.


Product: Recording & Monitoring—API consoles; 3 m tape recorders (24-Bit)


Product: Recording & Monitoring—API consoles; 3 m tape recorders (24-Bit)
When every sound matters!

THE NEW CHANCE FOR TOP SOUND-QUALITY — 30 dB OF DYNAMIC GAIN!
Improving the dynamic range of sound-recording — Records can be produced with
dynamic of direct cuts, Improving the
dynamic range for optical sound recording
and with analog or digital time delay or
echo units. Noise suppression on audio-
transmission lines.

STUDIO-COMPAUNDER-SYSTEM
telcom c4
● Gain in dynamic range up to 30 dB
● No "breathing" tape noise
● No level adjustments
● No sound overshooting in ensuing
  systems
● Total harmonic distortion ≤ 0.2 % at low
  frequencies
● Integrated system-identification

Coupon
we ask for:
- descriptive literature
- consulting without obligation

Address

AEG-TELEFUNKEN
Nachrichten- und Verkehrstechnik
Fachbereich Elektro-Akustik
Lindener Straße 15
D-3340 Wolfenbüttel
Telephone 05331/83-287
Telex 95651

Studio-Technique by
AEG-TELEFUNKEN
DIERKS STUDIOS - not just known for good recording.

**DIERKS STUDIOS**

Hauptstr. 33, 5024 Pulheim 3 Germany
Tel. (2238) 3333/2004-07. Telex 08 883 241

- Billboard 1979-1980 International Recording Equipment & Studio Directory

- 32/24/16-Track Recording Mobile
- Two 32-Track Recording Studios
- Automated Mixing Console

Page 121
WHAT'S HAPPENING IN THE WORLD OF BLANK TAPE?

Extensive information in this field including the vital duplication area that is the heart of the prerecorded tape boom are part of our continuing coverage.

BONUS! Directory of your choice with our compliments for each paid subscription ordered. Write to us for details . . .

BILLBOARD CIRCULATION
DEPT. RSD
9000 SUNSET BLVD.
LOS ANGELES, CA 90069
The new multitrack recorder is now internationally recognized as an eligible standard for modern multitrack recording. It incorporates state-of-the-art technologies to make it the most functional machine in the market.

The sophisticated approach is represented by the outstanding transport response and stability backed up by the latest electronics. The PLL dc-servo for pinch-roller-free direct drive capstan plus dc-servo spooling motors. Full-fledged remote and gapless/noise-free punches. SMPTE interface access for any audio-video and audio-audio synchronization.

The MTR-90 is available in 16, 16 prewired for 24 and 24 track formats. For details, please contact your nearest Otari distributor.

OTARI MTR-90
VIDEO + MUSIC = TOMORROW'S TECHNOLOGY TODAY.

Come to the source to know what's happening first-hand. Week in, week out.

BONUS! Directory of your choice with our compliments for each paid subscription order.
Write to us for details.

BILLYBALL CIRCULATION DEPT. RSD
900 Sunset Blvd.
Los Angeles, CA 90069
The new 64:1 system is a pacesetter for high-speed duplicating. It's designed with the most sophisticated electronics and dependable transport mechanisms.

The pacesetting features include an 8MHz quartz bias oscillator in each slave, slanted loop-bin with an adjustable capacity and new transport design for improved tape path, built-in variable-frequency cue tone generator, all TTL control logic and plug-in electronics.

Behind the DP-7000 stand technology and reliability proven through a wide range of our professional sound equipment up to the 24-track recorder. For details, please contact your nearest Otari distributor.

Introducing the second-generation 64:1 duplicating system.

OTARI DP-7000
PCM-1600
Professional 2-Channel Digital Audio Processor
The Digital Recording Revolution.
From Reel to Real.

You've heard about the genius of digital recording. Now it's time to compare real with reel.

Digital recording represents a profound technological leap in sound reproduction that is affecting the entire audio industry. And Sony's PCM-1600 is available now. Witness the acclaim we earned at the AES and NAB shows.

What's all the noise about? No noise at all.
Sound quality is virtually indistinguishable from the original audio pickup. The best conventional studio equipment can't even come close.

Dynamic range exceeds 90dB. Harmonic distortion is less than 0.05% over the entire audio frequency spectrum. Wow and flutter aren't even in our vocabulary. There's not a hint of tape hiss. Print-through is through. And this remarkable technology is here now.

PCM stands for Pulse Code Modulation. Digital circuits measure the amplitude and frequency of sound waves by sampling them more than 44,000 times each second and by quantizing them into more than 65,000 levels. These measurements are then converted into a digital code. The digital code is recorded. Once recorded, the digital code can be processed, edited, and duplicated again and again with absolutely no degradation in signal quality.

There is even dropout error correction so that not even one itty bit of the computer code is lost.

To store the digital information, our PCM-1600 system uses a standard BVU-200A U-matic videotape recorder. And a Sony BVE-500A video editing console lets you edit electronically in a fraction of the usual time.

Our system is perfect for recording studios, disc manufacturing companies and FM broadcasting stations.

But a word of warning. Once producers and artists hear the difference, conventional systems just don't sound good enough.

Start a sound revolution in your studio. Digital recording is for real.
tape, tape & blank & load

Audio: Cassette; open reel.
Video: 1/1" opened; "1/4" cassette.
Audio: Blank—"B"-cassette,
open reel: open—"B"-cassette
Video: Blank—"B"-1" opened; "1/4" cassette. "1/4" EIAJ opened; "1/4" EIAJ open reel.
Eakma BV. Deadwetterweg 81. Groningen. Tel. (050) 12 91 60. Mng Dir. J. F. van der Helm.
Audio: Cassette; open reel.

recording studios


recording studios

B I Studio. Studio Postbus 124, Reembacht 47, Amsterdam. Tel: (0171) 56.56. Owner: Mrs. T. H. H. van der Helm.

Services: Audio—LP & 4 track; LP & 4 track; LP & 4 track—Stereo.

recording studios

C L Studio. Charles Juttendaalweg 8, 3092 BY. Utrecht. Tel: (030) 55 85 00. Mng Dir. J. Th. van der Helm.

Services: Audio—LP & 4 track; LP & 4 track—Stereo; LP & 4 track.
Vershoo (Geräudstechnik). Kuiperstr 46. Mooldrecht Tel (010) 253 3715.
Wesboud (Geräudstechnik). Kuiperstr 46. Mooldrecht Tel (010) 253 3715.


- independent record producers


Building Products. Veddelburen. 4 1/2 B8 Lendem (0345) 10041.

Label credits: CNA. Foncor. GIP Teidec.


Label credits: Aria. Teldec.


Label credits: Aria. EM1 Uniode.


Label credits: Second Life


Label credits: Condor. Skyrock.


Label credits: Photograft. Polydor. 

- tape, raw & blank loaded


Label credits: CNA. Foncor. GIP, Teidec.


Label credits: CNA. Foncor. GIP, Teidec.


Label credits: CNA. Foncor. GIP, Teidec.


Label credits: CNA. Foncor. GIP, Teidec.


Label credits: CNA. Foncor. GIP, Teidec.


Label credits: CNA. Foncor. GIP, Teidec.


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Label credits: CNA. Foncor. GIP, Teidec.


Label credits: CNA. Foncor. GIP, Teidec.


Label credits: CNA. Foncor. GIP, Teidec.
**POLAND**

- **recording studio**
  - Polskie Nagrania (Polish State Ent.); Dlugi 5, 00-950 Warsaw. Tel: (22) 31 16-17. Studio Mgr: Adam Karola; Chief Eng: Marcin Andriejewski (3 studios)

- **recording studio equipment manufacturers / importers**

**PORTUGAL**

- **recording studio equipment manufacturers / importers**

- **recording studios**
  - Jorge Goncalves. Av. de Oeiras 54, 1100-062 Lisbon

**ROMANIA**

- **recording studio**
  - Polishe Nagrania (Polish Recording State Ent.); Dlugi 5, 00-950 Warsaw. Tel: (22) 31 16-17. Studio Mgr: Adam Karola; Chief Eng: Marcin Andriejewski (3 studios)

- **recording studio equipment manufacturers / importers**
  - Audio Design, Audio Master, Ltd. & FX, Preuß. Dtl. reg. (2 studios)

- **recording studios**
  - Jorgo A. Tzima. Viale Augusta 59. Delfo 805. Barcelona 7. Tel: (93) 246-5012 (1 studio. 24 tr. rec.)

**SPAIN**

- **recording studio equipment manufacturers / importers**
  - AMPex Trading Co. 8 Piquer, 4th fl., Madrid. Tel: (91) 202-0486. Owner: M. & J. Llobera-Palmer. Studio Mgr: Mikel Etxeberria

- **recording studios**
  - TrazoFilm Studio, Ronda de les Corts 241, 20110. Madrid. Tel: (91) 241-8949 (1 studio. 6 tr. rec.)

**TURKEY**

- **recording studio equipment manufacturers / importers**

- **recording studios**
  - Yildiz Studio, Koca Cami Sok. 9, Istanbul. Tel: (312) 551-8144 (1 studio. 24 tr. rec.)

**Ukraine**

- **recording studio equipment manufacturers / importers**
  - Audion Studio, 11 Kharitonenko St., Kiev. Owner: Valery Kostyukov. Studio Mgr: Valery Kostyukov

- **recording studios**
  - Audion Studio, 11 Kharitonenko St., Kiev. Tel: (044) 490-8111 (1 studio. 24 tr. rec.)

**USA**

- **recording studio equipment manufacturers / importers**
  - MCI, 3333 Al Sabini Rd., Aurora. Tel: 30-3030. Owner: Bill Ehratman

- **recording studios**
  - MCI, 3333 Al Sabini Rd., Aurora. Tel: 30-3030. Owner: Bill Ehratman
**SWeden**

- **independent record producers**
  - Gestalt Int. A/S, S. 186 25, Stockholm (Tel: 08) 28-20-30, Owner: Sten Olofsson (24 tr. rec.)
  - Sven Erikson, A.P.O. Box 584, S-580 18, Malmö (Tel: 46) 312-34-80
  - Mats Samuelsson, A.P.O. Box 3278, S-103 03, Stockholm (Tel: 08) 29-42-22
  - Jörgen Söderlund, A.P.O. Box 42, S-132 27, Stockholm (Tel: 08) 29-33-93

- **recording studio equipment manufacturers/importers**
  - Amsberg AB, A.P.O. Box 230, S-186 20, Stockholm (Tel: 08) 72-48-48, Owner: Rolf Amsberg
  - Soundtech AB, A.P.O. Box 113, S-111 43, Stockholm (Tel: 08) 80-02-02, Owner: Per Karlsson
  - Electrotone AB, A.P.O. Box 1234, S-104 32, Stockholm (Tel: 08) 21-33-33, Owner: Carl-Eriksson

- **tape, raw & blank loaded**
  - Agfa Gevaert, A.P.O. Box 345, S-111 45, Stockholm (Tel: 08) 24-44-44, Owner: Einar Nilsson

- **independent record producers**
  - Bummet Sound Studios, Bomtsgraven 109, S-613 00 Dalsland (Tel: 030 47-80-02, Owner: Mats Samuelsson)
  - Electra Studio AB, Katrinavagen 20, S-116 45 Stockholm (Tel: 08) 24-44-44, Owner: Einar Nilsson
  - RCA Studios, A.P.O. Box 424, S-114 20, Stockholm (Tel: 08) 24-44-44, Owner: Einar Nilsson

**International**

- **Services**
  - Audio—Dub in—Card/Cassette, Germany
  - Audio—Dub in, France
  - Audio—Dub in, Madrid
  - Audio—Recording, Norway

- **Equipment**
  - Audio—Recording—Monitor—SUMO amplifiers—cassettes, France
  - Recording—Monitoring—SUMO amplifiers—cassettes, Germany
  - Recording—Monitoring—SUMO amplifiers—monitor, France

- **Support**
  - Recording—Monitoring—SUMO amplifiers—monitor, Germany

- **Other**
  - Audio—Dub in—Card/Cassette, Germany
  - Audio—Dub in, France
  - Audio—Recording, Norway

**Services**

- **Audio—Dub in—Card/Cassette, Germany**
- **Audio—Dub in, France**
- **Audio—Recording, Norway**
SWITZERLAND

• recording studio equipment manufacturers/ importers


Mugr.-GB Baumhot Video Sales Mgr., CH-8712 Stasis, Rainstrasse 18. Tel: (01) 32 33 70. Mgr. A. Baert.


Tonnek Cig. 4.50 CHF/30c. Tel: (01) 31 43 44. Product: Recording & Monitoring—AEG TELEFUNKEN tape recorders (37-tr.).

• tape, raw & blank loaded


Brand name: Agfa. Audio—Blank: Open reel, blank.


Lenox AG. Sihlschanstrasse 12, CH-8024 Zürich. Tel: (01) 71 33 41. Mgr. Marcello Pesci. Mgr. Walter Sustrasse.

Product: Special—Electronic—electrical connectors.

Leonard Electronic. Eulenbergstr. 10, CH-8048 Zurich. Tel: (01) 76 33 33. Mgr. B. Stifflinger.


recording studios


Services: Audio—Lib. SFK.

Ambrosia CH. B. Bieri, Postfach 62, Grazbergstrasse 74, CH-1000 Basel. Tel: (01) 33 23 94. Dir. (Lib. gr.) Musical.

Services: Audio—Disk Master: Lib. SFK.

Blston Studio. Sonnhaldenweg 11, CH-9450 Aarstein. Tel: Zurich 75 28 57.

Braun (Thomas). CH-8700 Kuesnacht zur. Tel: (01) 90 43 05. Tape Test Lab, 4, CH-8022 Zurich. Tel: (01) 221 25 40. Studio Mgr.: K. Angst. (1 studio, Lib. rer.)

Services: Audio—Disk Master, Duplin—Cassette.

Kronos Studio. Norton, 14, CH-9450 Aarstein 5G. Tel: (01) 75 38 34. Mgr. Kathy Borden. Chief Eng. Rudolf Borden. (1 studio, Lib. rer.)

Matt Lux Studio. Zeilengasse 20, CH-8024 Zurich. Tel: (01) 22 06 44. Owner & Studio Mgr. Max Lusti. Audio: Blank audio. (1 studio, Lib. rer.)

Services: Audio—Disk Master: Lib. SFK.

M S (Musik Studion). Gursstr. 15, CH-8001 Zürich. Tel: (01) 70 00 00. Mgr. Paul Cassil.

Meudon Sound Studio. CH-8671 Tschachspeck. Tel: (01) 65 14 68 65, 66. Mgrs. Chief Eng. & Chief: David Richards. (1 studio, 24-tr. rer.)

P D U. Via Face 1, CH-9009 Lucoano. Tel: (01) 54 86 81. Mgr. Catherine, Chief Eng: Abangfri. (1 studio, Lib. rer.)

Services: Audio—LiB. SFK.


Revisor Audio, Lenzstrasse 19, CH-8022 Zurich. Tel: (01) 22 07 41. Owner & Chief Eng. Franz Busz. (1 studio, 4-tr. rer.)

Services: Audio—Disk Master, Lib. SFK, Duplin—Open Reel, Other Servs.—Side Film, Dupin, G.

Rijdorff Studio, Gewerbezentrum, CH-8702 Zollikon/Zurich. Tel: (01) 65 80 90. Studio Mgr. W. Riehl. Chief Eng. E. Schunke (1 studio, Lib. rer.)

Services: Audio, Film—Score, w/ or w/o Pic, Dub, Mag. (4 studios, Video—Score production, Lib. rer.)

Sauer Studio, Zürich, Tel: (01) 12 15 15 15. Chief Exec: Marcel R. Nagel. Mgr. W. Beck

Services: Audio—Disk Master, Lib. SFK, Other Servs.—Sync, Recording Products.

Service: Audio—Disk Master, ICM.

Siderone Studio. Poststrasse 6, CH-8044 Zurich. Tel: (01) 47 99 12. Owner: Bruno Schmid. (1 studio, Lib. rer.)


Services: Audio—Disk Master, Remote.

Turcaphon AG. CH-8611 Redikon/Zurich. Tel: (01) 87 43 11. Owner: Werner Uhrich.

Services: Audio—Disk Master, Press

• independent record producers


Label credits: Bellaphon. CBS, Exvost, Egon

Breeze Music, Via Serendip 17, CH-6612 Arosa (Tessnit) 35 35 35. Mgrs. George Mahnke. Tommey Formann, Dieter Dierschke. (1 studio, Lib. rer.)

Home office: Zurich, Switzerland.

Label credits: Atlantic, Chrysler, EMI, Mercury, Metronome, Phonogram (4) International Artist Promotion. PO Box 28, CH-8050 Zürich. Tel: (01) 31 33 22. Prod. Freddy J. Angermann.

Label credits: Bellaphon


Label credits: Radio Phono, Phonogram, Zefalo.


Label credits: see labels listed in German Federal Republic
**International**

**recording studios**

D 2 Reg ′s House & Radio & TV ′s rec ′s studios in all major countries available with appointment with the Studio Producer for television & radio station.


**tape, raw & blank loaded**

Melodyou Toula 12, Talin 16 (blank only)

Perevalski-Zalezski Chemical Plant, Perevalski-Zalezski, Valerie Dr.

Audio: Open reel.

Shoksk Chemical Plant, Shoksk, Sumskaya Obl.

Vert. reed: 12.7, 20.5 x 20.5 (blank only)

**USSR**

**recording studio equipment manufacturers/importers**

A D C Cee SSR


A G K Acoustics Ltd. 191 The Vale, London W3 7QF, Tel. (01) 248 3122. Serv. Special - Electrical, microphone booms & stands, microphone booms & stands, amplifier, speaker, amplifier.


A S L. E. Ltd. 9, West End, London W1 6RA. Tel. (01) 734 3151. Serv. Recording, & Microphones - condenser, microphone booms & stands, amplifier, speaker, amplifier.

A S B. M. Ltd. 13, Horseferry Rd, Westminster, London SW1 2BS. Tel. 720 0791. Serv. Recording, & Microphones - condenser, microphone booms & stands, amplifier, speaker, amplifier.

**UK**

**recording studio equipment manufacturers/importers**

**recording studio equipment manufacturers/importers**

**tape, raw & blank loaded**

Melodyou Toula 12, Talin 16 (blank only)

Perevalski-Zalezski Chemical Plant, Perevalski-Zalezski, Valerie Dr.

Audio: Open reel.

Shoksk Chemical Plant, Shoksk, Sumskaya Obl.

Vert. reed: 12.7, 20.5 x 20.5 (blank only)

**United Kingdom**

**recording studio equipment manufacturers/importers**

A D C Cee SSR


A G K Acoustics Ltd. 191 The Vale, London W3 7QF, Tel. (01) 248 3122. Serv. Special - Electrical, microphone booms & stands, microphone booms & stands, amplifier, speaker, amplifier.


A S L. E. Ltd. 9, West End, London W1 6RA. Tel. (01) 734 3151. Serv. Recording, & Microphones - condenser, microphone booms & stands, amplifier, speaker, amplifier.

A S B. M. Ltd. 13, Horseferry Rd, Westminster, London SW1 2BS. Tel. 720 0791. Serv. Recording, & Microphones - condenser, microphone booms & stands, amplifier, speaker, amplifier.

**tape, raw & blank loaded**

Melodyou Toula 12, Talin 16 (blank only)

Perevalski-Zalezski Chemical Plant, Perevalski-Zalezski, Valerie Dr.

Audio: Open reel.

Shoksk Chemical Plant, Shoksk, Sumskaya Obl.

Vert. reed: 12.7, 20.5 x 20.5 (blank only)


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C O N N E V A N S. S E E C Y B E R S O N I C S.

H A R M A N & S C E N I C S O U N D S.

J C T O P C O M P A N Y L T D. H I G H F I E L D, H O B R I D W A Y.

M O R R I S L N. N E L S E N.

E S C O R T.

M O R R I S L N.

D E V E L O P M E N T S.

C L E N D I S C ( M A I L O R D E R ) L T D. 7 T R I N I T Y C O U R T, G R A Y ' S I N N R D.

C A S T L E.

C E L E F A U D I O L T D. 130 T H I R S K.

C A W L T D. 16 U X B R I D G E.

C H I L T O N. S E E M A G N E T I C T A P E S.

C Y B E R S O N I C S. S E E F E L D O N.


C L E N D I S C ( M A I L O R D E R ) L T D. 7 T R I N I T Y C O U R T, G R A Y ' S I N N R D.

C O N N E V A N S L T D. 1 N O R B U R Y R D.

C O S M O K U B A. S E E K U B A.

C O N N E V A N S. S E E C Y B E R S O N I C S.

H A R M A N & S C E N I C S O U N D S.

J C T O P C O M P A N Y L T D. H I G H F I E L D, H O B R I D W A Y.

M O R R I S L N. N E L S E N.

E S C O R T.

M O R R I S L N.

D E V E L O P M E N T S.

C L E N D I S C ( M A I L O R D E R ) L T D. 7 T R I N I T Y C O U R T, G R A Y ' S I N N R D.

C O S M O K U B A. S E E K U B A.

C O N N E V A N S. S E E C Y B E R S O N I C S.

H A R M A N & S C E N I C S O U N D S.
International

Datavision, see 3M

Daneitec, see Delilab

Delilab, see Scenic Sounds

Design Electronics, 100 Chalk Farm Rd., London NW1 1BE Tel. (01) 267-4449. Telex: 216153


Fitch Tape Makes, 7a Balham Grove, London SW1 (01) 763-1336

Formule Sound Ltd., Waterloo Rd., Stockport SK8 3SD. Tel. (061) 480-3781

Fostelcom Ltd., 15 Christchurch Rd., Bournemouth, Dorset BH1 1EW

Furui Film Distributors (Alliance) Ltd., 36/38 Lewington St., London W1R 3HR. Tel. (01) 437-1892 Telex: 21162

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Product: Recording & Monitoring—THORENS turntables (low distortion), moving coil; OTHER—METERCare cleaning fluids, sprays, etc.

Mimi/Master Room, see Scenic Sounds.

Micropoint, see Jacques Levy.

Micro-See, see Harman.

Midas Audio Systems Ltd. S.54-S5 Stanhope St., London NW1 3EX Tel (01) 388-7060. 367-7679. Sales Mgr. - David Sean.

Product: Recording & Monitoring—MIDAS consoles (32/4 input, 24/2 output), mixers—portable.


Product: Recording & Monitoring—THORENS turntables (low distortion), moving coil; OTHER—METERCare cleaning fluids, sprays, etc.

Moller's Master Recorder, see Midland Airways.

Motor Minicom, see M3.

Mullard Electronics, Unit SA. 98 George St., Hungtingdon, Cambs. Tel (0480) 75141.

Modern Eng. & Technology, 4 Stanrow St. W., Canterbury. Tel (0223) 36450.

MOD III, see Alan & Heath.

Music Makers, 30 Brixton Hill, Lambeth, Cambs. Tel (023) 46334.


Branch: In/branch: USA.


Moorland Professional Audio, 281 Belmont Dr. Haynes, Midddx. Tel (01372) 51565. Pres. & Sales Mgr. - Dan Parks.

Product: Recording & Monitoring—cables (20-16 input, 8-4 output), amplifiers, monitors—portable, special electronic—compressors, equalizers, limiters.


Product: Recording & Monitoring—speakers—monitors.

B H Morris & Co (Radial) Ltd., Precinct Centre, Heath Park Dr., Wembley, Middx. HA0 1SU Tel (01) 902-9422. Brand Mgr. B. C. Cockeram.

Product: Recording & Monitoring—TRIO microphones (condenser, dynamic, radio), speakers—portable, turntables.


Product: Audio—jacks, pitchfiddles.

Music Lab, 72-74 Everstall St., London W11. Tel (01) 333-9382.

Mustang Communications, Nelson St., Scarborough, NorthYorks. Tel (0723) 83298 Sales Mgrs. M. R. Terry.

Product: Recording & Monitoring—monitors—amplifiers.

N A S R.

Nakamichi, see Natural Sound.


Product: Recording & Monitoring—TECHNICS microphones, condensers, amplifiers—monitor, recorder, test equipment, synchro. Special Electronic—TECHNICS microphones, condenser, dynamic, PANASONIC measuring & testing eq, Video, Radio, Audio—MC52 microphones, condenser; microphones—portable, closed circuit cameras, video home systems. OTHER—National Panasonic TV cameras, photo effects generators, receivers, monitors, sequential measurement equipment.

Natural Sound Systems Ltd. 10 Byron Rd., Weedon, Hunts. Tel (0536) 88822. Audio Dir. Mgr. - Jeffrey Goodall.


Dubber, see Middx. Audio.

Nakamichi, see North East Audio.

Necam, see Rupert Nephe.


Product: Recording & Monitoring—cables (60 input, 48 output), mixers—portable, 8-lane, cutting, cutting systems—NECAM computer aided mixing systems, Special Electronic—attenuators.


Product: Recording & Monitoring—cables (60 input, 48 output), mixers—portable, 8-lane, cutting, cutting systems—NECAM computer aided mixing systems, Special Electronic—attenuators.


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Bullfrog 1979-1980 International Recording Equipment & Studio Directory

Product: Studio Designers & Builders—acoustic design system planning, equipment procurement, installation.

Switchcraft, see Future Film Developments.

Syncom, see Allen & Mehr.

Syncom, see TRAD.

T.R.A. Electronics Sales Ltd., 149-150 St Albans Rd, Watford, Herts WD2 5BB Tel Watford 4799 TEL. 262741 Mgr. Dr. John Southard.

Pride Recording & Monitoring—SOUND WORKSHOPS consoles, mixers (portable, microphone).

Recording & Monitoring—SOUND WORKSHOPS echo chambers, SYNTON vocoders.

Tandem (UK), Ltd., 11 Kendal Rd, Lewis, Yorks, Tel (0532) 351111 TEL. 557611 Mgr. John Farrell, Sales Dir Bill McDonald.

Product Recording & Monitoring—tape recorders (4轨, speakers—monitor, recorder, reception.

Tandy Polska, Ltd., St. Johns Rd, Tel Green, Near High Wycombe, Bucks HP13 7BX. Tel. (04981) 5221 Clubs/TANNOW, TEL. 371811 Mgr. Mr. Norman J. Crocker, Sales Mgr. David Bennett Powell, Mgr. Mr. Martin S. Thomas.


Product Recording & Monitoring—speakers—monitor, Special Electronics—equippers.

Tape, see Gallion.

Tape Duplication Co., Ltd., 4/10 North Rd, Islington, London N7 SHN, Tel. (01) 609.0087.

Tascam, see Marham.

Tec, see National Panasonic.

Tegyne Acoustic Research, High St, Houghton Regis, Dunstable, Beds. LU5 SGJ, Tel. (0582) 603.151 Telephone Amp., S. Muster, Sales Mgr. Peter Curry.

Product Recording & Monitoring—AR speakers—monitor, tape recorders.

Teletron Electronics (UK) Ltd., Somerton Works, Princes Ave, Weston-super-Mare, Somerset, TEL. (0767) 337881 Mgr. Mr. A. Sato, Mgr. Mr. H. Martin.

Telcon, see Conond Electronics.

Theatrical Audioscope, Rainbow Ind Ltd., Unit 7, Park Ln, Finchampstead, Near Wokingham, Berks RG11 8XU, Tel. (0344) 532411 Mgr. Mr. Joff Rees, Sales Mgr. Mr. John Swann.

Theatre Projects Services Ltd., 10 Long Acre, London WC2 Tel. (01) 240.5411 Mgr. Mr. John Hall, Sales Mgr. Mr. David Hammond.

Product Recording & Monitoring—THEATRE PROJECTS amplifiers—monitor, Special Electronics—THEATRE PROJECTS, comparators, delay systems, equalizers, limiters, limiters.

Thrower, see Martsonound.

Thom Consumer Electronics Ltd., 284 Southbury Rd, Enfield, Middlesex, Tel (036) 5359 Mgr. Mr. D. H. Wood, Sales Mgr. Mr. J. B. Stanhope.

Product: Video—FEP 3900, tape recorders (VHS).

Tri-wave 2M, RM 2, PO Box 1, Blackheath, Banks RG2 1UK, Tel. (0244) 26726. TEL. 849371 Mgr. Mr. D. R. Dismore, Sales Mgr. John Pinmore, PR Bill Bowley.

Product Recording & Monitoring—MICROMAX tape recorders (4ch, 4 track, TWEED consoles (42 input, 42 output) amplifiers—monitor, mixers—portable, Special Electronics—COMMENTS, mixers—portable, MICROMAX oscillators, measuring & test equipment, Special Electronics—OSS photos, video equipment. Tape—MICROMAX heads, Other—DATAVISION Controls, MICROMAX video character generators, mixers, switches, amplifiers, SCOTCH magnetic tape & accessories.

Tudjma (UK) Ltd., Toshiba House, Firmary Rd, Cumbernauld, Renfrewshire, Tel (0276) 622-713.

Tudjma, see S. B. Bach, Jacques Levy & MSR.


Product Recording & Monitoring—consoles (up to 40 input, up to 32 output, mixers—portable, Special Electronics—stereo limiter compressors, equalizers (parametric), limiters, oscillators (low distortion with built-in frequency counter).
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Owner: Peter Ker, Mike Finsieviler (1 studio, 2-tr. rec.

Services: Audio-Lib. Music & SFX. Other Services-

Peabody Hall, 12 A St., Farmington, Conn. Tel. (01) 402-2191


Services: Audio- Lib. Music & SFX. intercuts. Videos-


Red Bus Rec, 36 Simonbury, London NW8 80E Tel. (01) 229-0954

Owner: Tony Wills, Chief Eng. John Wick. (1 studio, 16-tr. rec.)

Services: Audio- Lib. Music & SFX, Dupl. n-Cassette

Restraining Motion Limited, Cray Ave., Orpington, Kent, Tel: (0181) 836-7054

Owner: Bill Bailey, Chief Eng. John Fields. (1 studio, 4-tr. rec.)

Services: Audio—Lib. Music & SFX. Dupl. n-Cassette


Services: Audio—Lib. Music & SFX, Dupl. n-Cassette

Written, Film, Scanner, 4 Auckland Court, London SW7 2PE. Tel: (01) 485-8942. Owner: Studio Mgr. & Chief Eng. Andrew Mcllroy. (1 studio, 16-tr. rec.

Services: Audio—Lib. SFX

Rivendell Sound Studio, Woodlands Rd., Thorntonhall, Glasgow, Scotland 246 75Y. Tel: (041) 638-6197

Revolution Studios, 1098 Rathbone Place, London W1 4BQ Tel: (01) 274-8952. Owner: Chief Eng. N. Strachan, Chief Eng. Martin Griffin, Chief Eng. Simon Fraser (1 studio, 2-tr. rec.

Services: Audio—Lib. Music & SFX, Dupl. n-Cassette

Rock City Sound Studios, Shipponer Studio Centre, Sheepen Place, Chelmsford, Essex. Tel: (0620) 485-8942. Owner: Dave McCalloch. Chief Eng. Graeme Mylne (1 studio, 4-tr. rec.

Services: Special Effects: Direct Link to "L" Stage, Hire Facilities, Showcases, Previews & Special Events.

Rockfield, Amberley Court, Monmout, Gwen, South Wales Tel: (0650) 5567, 364. Owner: Charles & Kingsley Ward. Studio Mgr. Pat Moram. (2 studios, 24-tr. rec.

Services: Audio-Visual Link to the Roundhouse, Professional Stage


Services: Audio—Lib. SFX. Other Services—Audio Visual Programming Suite w/AVL, Eagle Computers

S I S Rec, Gracia Studios Ltd., 21 Military Rd., Northampton NN1 1EU Tel: (0604) 704233

Owner: Studio Mgr. & Chief Eng. Pat McCarthy. (1 studio, 16-tr. rec.

Services: Audio—Lib. SFX. Cassette


Services: Special Effects: Audio-Visual Link to the Roundhouse


Services: Audio—Lib. Music & SFX, Dupl. n-Cassette

Sage Studios, Employer, Educational, Specialist etc.

Sable Mobile Rec, Gracia Studio, 55 Chip Dr, Oxford Cliffs, Poole, Dorset BH3 1JH Tel: (0202) 650-2592. Owner: Studio Mgr. & Chief Eng. Dave Le Fevre Foster. (16-tr. rec.

Services: Audio—Lib. Music & SFX. Dupl. n-Cassette

Sant, Perrengens, Caerwennon, Gwynedd, North Wales, Tel: (029681) 172 722 Studio Mgr. David M. Davies, B. Jones, (1 studio, 24-tr. rec.

Services: Audio—Lib. Music & SFX. Dupl. n-Cassette


Services: Audio- Lib. Music & SFX. Dupl. n-Cassette


Services: Audio—Lib. Music & SFX, Dupl. n-Cassette

Billboard 1979-1980 International Recording Equipment & Studio Directory

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46 Track is at home with Trident
-direct to disc too

Contact: 01-734 9901/3 and get into the picture

TRIDENT RECORDING STUDIOS LIMITED 17 St. Anne's Court Wardour St. London W1V 3AW
29 Track recording with computer assisted mixdown, pleasure display and spectra view facilities.

Situated on an estate in the beautiful Highlands of Scotland, it is one of Europe’s most sophisticated and up-to-date studios.

Highland Studios offer producers and artists the opportunity to record and relax in surroundings that are free of pressures normally found in city studios. Centrally heated accommodations and cutting facilities are offered free to clients and the studio can arrange some of the finest fishing, saling, shooting, golfing and sightseeing to be found anywhere in the world.
Some burns take 100 years to heal.

Beat the Big One...
Heart Attack
Give Heart Fund

A Public Service of This Magazine & The Advertising Council
Why magazines are

The tangible values of magazine advertising don’t change from year to year. But times change. And whenever they do, the values take on a sense of importance that no advertiser can ignore.

Price
Magazines aren’t impulse items. The average magazine costs more than a dollar per copy.

Readership
Magazines aren’t easily ignored. Starch INRA Hooper finds that the increase in advertising pages has had no effect on the level of advertising readership. It’s as high as ever.

Recall
Magazines aren’t easily forgotten. Gallup Robinson finds that magazine advertising recall is on the increase.

Response
Magazines aren’t passive. Opinion Research Corporation finds that the prime prospects for most products are more likely to respond to a magazine ad than to a television commercial.

Depth
Magazines aren’t limited by a stopwatch. A magazine ad can deliver its selling points, in depth, in as many words as it takes.

Believability
Magazines aren’t easily dismissed. In a recent Opinion Research Corporation study, no less than 60 percent of those surveyed rated magazine advertising believable. And less than 40 percent rated television advertising believable.

Usefulness
Magazines aren’t trivial. They satisfy the need to know—in depth. And they cater to special personal interests like no other medium.

Tangibility
Magazines don’t disappear before your eyes. A magazine ad can put a message, a coupon, an offer, a recipe right in a prospect’s hands to be reread, saved, clipped, mailed, acted on.

Long-Term
Magazines aren’t short-lived. Direct-response advertisers have proved that a magazine ad can produce results six months, and even a year, after publication.

Short-Term
Magazines don’t work slowly. For instance, one of the most immediate and effective media weapons in a sluggish sales climate is a multi-page magazine effort that coincides with specific promotion dates.
Efficiency
Magazines don’t cost the earth. They’ve held their advertising rates below the Cost of Living Index and the Wholesale Price Index. And in the past five years, their CPMs have increased at about half the rate of television’s.

Selectivity
Magazines don’t reach for the world. And when it comes to zeroing in on prime prospects who are in the market for specific products, they’re the number-one medium.

Compatibility
Magazines don’t have to fight for attention in a constantly changing environment; they create environments of their own. As a result, the advertiser purchases a frame of mind as well as a frame of reference for his ads.

Portability
Magazines aren’t stationary. They’re take-alongs that fit into briefcases and totes bags for the beach, the boat, the train, the plane.

Accessibility
Magazines aren’t relegated to easily missed time slots. They wait for their readers to turn to them in their own good time.

Segmentation
Magazines aren’t inflexible. Almost one out of every five magazine ads runs in either a regional or demographic edition.

Relevance
Magazines aren’t passing whims. They’re considered purchases. And the relevance of every issue must pass the supreme test: repeat sales.

And magazines have nothing to hide. That’s why the MPA invites you to re-evaluate the balance of power between television and magazines in your media planning. And that’s why we offer you an IMS computer run based on the Media Imperatives and your prospects, your data, your dollars.

Just call or write
Magazine Publishers Association, Inc.
575 Lexington Avenue, New York, N.Y. 10022.
(212) 752-0055.

*Simmons Market Research Bureau
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THEY BECAME LEADERS
BECAUSE YOU HELPED THEM
FOLLOW A DREAM.

For a long time there were far too few educated blacks in prominent positions for blacks to look up to. Maybe, it was because for most blacks a college education was only a dream. But fortunately, your contributions to the United Negro College Fund have enabled many blacks to follow that dream. And to go on to become the kinds of leaders everyone can look up to.

When you give to the United Negro College Fund, you help support 41 private, predominantly black, four-year colleges and universities. Colleges that produce thousands of black graduates each year, who go on to become doctors, lawyers, teachers, accountants, engineers, scientists. People whose footsteps we can all follow in.

So support black education because today's student may be tomorrow's leader. Send your check to the United Negro College Fund, Box L, 500 East 62nd St., New York, N.Y. 10021. We're not asking for a handout, just a hand.

GIVE TO THE UNITED NEGRO COLLEGE FUND.
A mind is a terrible thing to waste.
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One reason Jim King sells 75% of his cassette tape loaders overseas is because it’s profitable.

Another is because we showed him how.

Can we do the same for you?

Write:
Secretary of Commerce
U.S. Department of Commerce
Industry and Trade Administration, BED—18
Washington, D.C. 20230

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James L. King, President, King Instrument Corporation, Westboro, Mass. (40 Employees)
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Whether you are looking for studio time, equipment or design, you owe it to yourself to find out what “The Gold Record People” can offer you.
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