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DAC DIGEST



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DIGITAL AUDIO CORPORATION

A DRI COMPANY

"Technology to Make Listening Easier"

STEPPIN' OUT AT NATIA 2000

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Who says you can't teach an old dog new tricks? Team DAC will be stepping out in a big, new way at this year's NATIA 2000 Annual Conference in Albuquerque, New Mexico.

So what's new? Well, almost everything. The first thing you'll notice is the triple-sized exhibit booth with a brilliant new DAC logo. You'll find this bold, new image on a host of updated product materials and informational brochures. Next, you'll be introduced to our new management team at DAC. This will be the first major opportunity to meet and get to know Craig Scates, DAC General Manager, and Bill Mauldin, Director of Business Development. DAC Chief Scientist Dr. Jim Paul and Chief Engineer Don Tunstall will also be there to answer any questions you may have regarding DAC's leading-edge audio technology. Finally, you'll be introduced to a host of new and enhanced DAC products including

the SAM II Speech Activity Monitor, the SpotMic digitally-steerable microphone array processor, and IntelliDAC, the latest in Windows-based, audio enhancement and filtration software.

What hasn't changed? As always, you will see the same commitment to excellence, innovation, and quality you've come to expect from DAC for over 20 years. You will sense the passion behind the products we sell – a passion to create the finest audio collection and enhancement technology for law enforcement and security agencies available today.

They say everything old becomes new again. So whether you're a newcomer to DAC or a long-time friend, please stop by our booth at NATIA and say hello. We think you'll like the new DAC!



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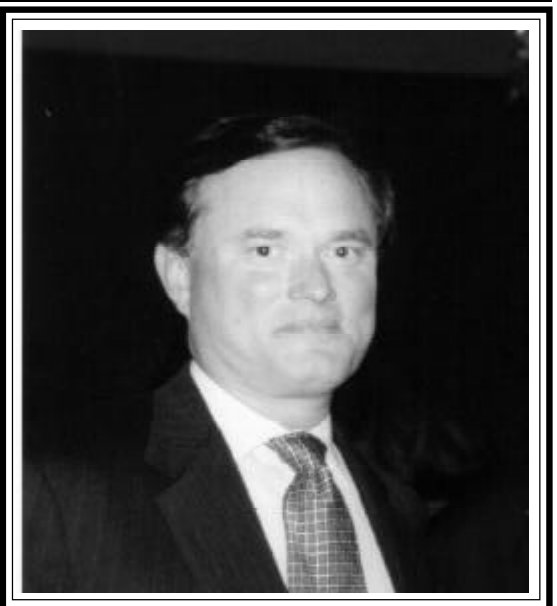
NEWS

Bill Mauldin Joins DAC!

New Director of Business Development to start July 17th

DAC is pleased to announce that Bill Mauldin has been named Director of Business Development, effective Monday, July 17th. In his new role, Bill will be responsible for all marketing and sales activities for DAC. Bill will also provide support to the DAC dealer network for strategic account development and marketing initiatives.

Bill brings a wealth of experience in the law enforcement and intelligence community, in both a domestic and international



Meet Bill Mauldin . . .

capacity. Bill is a retired intelligence officer with the US Air Force Office of Special Investigations. Bill comes to DAC from DynCorp Information Systems in Chantilly, VA where he was Sr. Account Manager for the Public Safety & Law Enforcement Solutions group. Before that, he was Administrator of International Programs for the Executive Office of the International Association of Chiefs of Police (IACP). Bill also understands the needs of local law enforcement agencies, having previously been Chief of Police for Blacksburg, SC and a member of the Metropolitan Police Department in Washington, DC.

"This is truly an exciting day for DAC," said Craig Scates, DAC General Manager. "Bill is a well-known and equally well-respected member of the international law enforcement community. His network of relationships and appreciation for the operational needs of the community will help DAC continue to provide innovative solutions for audio enhancement and analysis."

Bill holds a Master of Arts degree in Management from Webster University and a Bachelor of Arts in Political Science from the University of South Carolina (the original USC, as some would say!). Bill and his wife, Terri – a cardiac critical care nurse in Alexandria, VA - have one daughter Elizabeth who is married and living in South Carolina. Bill will maintain his residence in Arlington, VA allowing him to work closely with key US Government agencies and the international policing community at the various embassies in Washington.

Please join us in welcoming Bill to the DAC family! And don't forget to stop by our booth at NATIA and get introduced to Bill and the other members of Team DAC.



APPLICATIONS

PicoDAC for Transcriber Applications

Connect inline with your headphones to make listening easier!

DAC's lowest priced filtering device, PicoDAC, is ideal for transcribing applications where easy-to-use voice enhancement capability is desired. With its small size, PicoDAC is easily accommodated on a crowded desktop (see photo) and connected inline between the headphone output jack and the headphones on most transcribing systems, including cassette transcriber units, microcassette transcribers, and PC soundcard outputs.

Installation is accomplished in three simple steps: 1) connect the PicoDAC AC Adaptor to the power mains, 2) connect the PicoDAC LINE INPUT to the headphone jack or other audio source, then 3) connect your stereo headphones to the PicoDAC's PHONES jack and begin transcribing. Nothing could be easier!

The PicoDAC front panel includes a PRO/BYP switch that allows the user to turn the filtering on and off as needed. In

the PRO position, the filter is processing the audio and should be affecting the audio. In the BYP position, the filter is bypassed, and the unfiltered audio is output. While in the PRO position, the user can select from 10 preprogrammed filter combinations using the front panel rotary switch. This allows filtering by trial and error; simply try each of the 10 combinations and use the one that sounds best!

Despite its size and simplicity of operation, PicoDAC utilizes state-of-the-art DSP technology to yield superior filtering performance on a wide range of noise problems. Power mains hum, low-frequency "rumble", high-frequency "hiss", and echo/reverb noises can all be effectively reduced. A built-in AGC normalizes audio levels for near/far party situations that are often encountered with body wire and telephone wiretap recordings.

PicoDAC's size, features, and affordable price make it ideal for use with the multiple workstation, computer-based, wiretap collection systems that are now available from several manufacturers. Volume pricing is available for these applications. Please contact DAC today for detailed specifications and pricing.



PicoDAC connected inline on a crowded desktop . . .

ANOTHER DAC SCHOOL!

Third session of the year . . .

Demand for DAC School continues to rise. Digital Audio Corporation is holding its third session this year in response to the demand. The dates are October 16 – 20, 2000; the location is the Homewood Suites in Raleigh, NC. Hands-on experience is combined with classroom lecture to offer a good mix of theory and practice.

If you or someone in your organization is in need of digital audio enhancement training, contact DAC to get a seat at the October school. Tuition is \$750, which does not include transportation, lodging, or meals.





SpotMic Processor

PRODUCTS

Introducing SpotMic

Aim at three sound sources simultaneously.....

DAC's new SpotMic product is an electronically-steerable microphone array processing system. It is designed to support applications where the installation of a multiple microphone array is practical.

SpotMic performs the same basic function as shotgun or parabolic microphones, but with a *stationary microphone installation*. The SpotMic system consists of two basic pieces: the processor unit and the microphone array, which are sold separately.

The SpotMic processor accepts up to 16 channels of preamplified microphone audio, which is digitized using the

latest 24-bit sigma-delta analog conversion technology. Next, five Analog Devices SHARC™ processors are used to calculate and implement precise delays on each channel. These are then summed to form three independent directional "beams." As an added feature, two of these beams can be slaved together to form a stereo beam.

The 96-microphone "billboard" array, shown below, was used for prototyping, and provides optimum performance; this array could possibly be configured as a wall painting/poster, or perhaps built into the sides of a vehicle. Arrays can be custom-designed and constructed as required for specific applications.



Sample 96-Microphone Array Configuration.....

The Windows™-based configuration and control utility (included) allow the actual microphone coordinates to be entered by the user and programmed into the processor unit. Once programmed, the SpotMic system can operate either stand-alone using simplified front panel controls, or under remote control using a laptop PC and the control software.

For a full demonstration of SpotMic's capabilities, please stop by our booth at NATIA.



Craig's Corner



I have a problem. I am a food-aholic. I love to cook, I love to eat, and lately I've developed a new food addiction – the FoodTV Network on cable television. If you share this same affliction, you no doubt have seen the culinary cult hit from Japan, IRON CHEFS. The show pits two master chefs against one another in an epic, hour-long struggle to create the best and most creative menu around a surprise ingredient. In the recent international showdown, Iron Chefs: New York Battle, Japanese Iron Chef Morimoto was preparing to go head to head with one of New York's finest chefs, Bobby Flay. Master Iron Chef Michiba instructed his student to incorporate this essential strategy in his meal planning, "Respect the old, search for the new."

As the new General Manager of DAC, I find myself in search of the right recipe to lead DAC to new levels of achievement. In doing so, I sense Michiba's

wisdom ringing in my own ears. I see three principal ingredients for DAC's future success:

- *Relationships*
- *Innovation*
- *Service*

Over the past 21 years, customers have come to trust and depend on DAC for high-quality, audio technology solutions. I intend to respect this heritage and build on its foundation. Going forward we must diligently seek new solutions and advance the state-of-the-art for audio processing in response to emerging operational requirements. And, as always, our commitment to customer service must remain steadfast. To this end, I'm committed to making DAC your first and only choice for forensic audio technology.

Oh, by the way, Chef Morimoto emerged the victor.



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