

ProService

Magazine

A Journal of NESDA and ISCET • April 2003

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USB2 Provides a Bonanza of New Products for the Consumer

PLUS:

- ISCET Student Chapter Profiles
- NESDA & ISCET President's Reports
- Officer Nomination Forms Enclosed

www.nesda.com
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**An official journal of NESDA
(National Electronics Service
Dealers Association), and ISCET
(International Society of Certified
Electronics Technicians).**

Purpose

ProService Magazine, a publication for members of NESDA and ISCET, is produced by NESDA, the National Electronics Service Dealers Association, 3608 Pershing Ave., Fort Worth, TX 76107. It is intended for the enlightenment, education and entertainment of the members of NESDA and ISCET.

With the exception of official announcements, the statements and opinions expressed herein are those of the authors and not necessarily those of the associations.

Unless otherwise clearly indicated, neither NESDA nor ISCET endorses any company, product or service appearing in any article in this publication.

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Upcoming Events

NESDA/TEA School of Service Management

April 24-26, 2003
Harvey Hotel
Dallas, Texas

TEA Technical Institute

May 2-3, 2003 (Tentative)
Austin, TX
t-e-a@texaselectronics.org

Electronic Distribution Show and Conference (EDS2003)

May 13-15, 2003
Las Vegas, NV
www.edsc.org

2003 Summer Conference & Trade Show/Mid-West Servicers Regional Meeting

May 16-18, 2003
Peoria, IL
GJWeiss@att.net

TEA Annual Convention

June 6-8, 2003

Houston, TX

t-e-a@texaselectronics.org

2003 Mid-Atlantic Electronics Conference

June 20-22, 2003
Dover, DE
vpea.exis.net

National Professional Service Convention and Professional Service Trade Show (NPSC) 2003

July 15-19, 2003
Sparks (Reno), NV
www.nesda.com

*If you would like your event listed
in this section, please contact
stephanie@nesda.com or call
817/921-9061 ext.13.*



USB2 Provides a Bonanza of New Products for the Consumer

by Dennis M. DeLaurier — Crescent Multimedia, Round Rock, TX

Faster...Yes — and no interrupts! That was my feeling when the new USB port was developed and became available on a motherboard. I am sure that most of you were tired of playing the interrupt game with your motherboard too. I had run out of places to plug things into my computer, and my modem seemed to always hate my sound card. I had considered other things like SCSI, but did not like the price. When USB came my way I jumped on the bandwagon. My first piece of equipment was a scanner. Then I added a zip drive, and later, my digital camera connected to the USB port. Finally I was in USB heaven. Even my film scanner co-existed with my regular scanner. When USB2 (Hi-Speed USB) came my way I was anxious. Would my old equipment work on the new hardware? Gratefully, the answer was yes.

If you are involved in the consumer electronics field, you will soon see a lot of new USB2 products hitting the consumer highway. The following are a few things that you should know about this new standard:

The first thing you need to know is that USB2 is up to 40 times faster than the original USB and it is capable of data transfer rates of up to 480 Mb/second. Be careful here about data rates, as they are talking about the bus, not your equipment.

If you are going to stay with your old USB, Hi-speed USB is compatible because:

- Hi-Speed USB can use existing USB cables and connectors
- Hi-Speed USB equipped PCs support original USB devices and hubs
- Hi-Speed USB devices will work with original USB equipped PCs but at a reduced rate of 12 Mb/second.

(Continued on page 4)



www.pacparts.com

USB2 Provides a Bonanza of New Products for the Consumer (Continued)

(Continued from page 3)

COOL THINGS

Hi-Speed USB is expandable, as multi-port hubs allow multiple peripherals to be attached.

And to make things even nicer, both Hi-Speed USB and original USB peripherals can operate on a computer at the same time.

Hi-Speed USB is easy to use because you connect using the same standard plugs and ports as the original USB that you have been using in the past. Additionally, Hi-Speed USB comes with the same plug and play capability as Original USB, and YES, you do not have to reboot. Another nice feature is that equipment can be added or removed from a USB bus while the computer is powered up.

If you are selling equipment, Hi-Speed will increase sales because of all the really fun equipment that supports this new standard such as:

- Motherboards
- Hard Drives
- DVD Drives
- CD-RW Drives
- Hubs
- MP3 Players
- Flash Card Readers (I love these for down-loading my digital pictures)
- Scanners
- Printers
- Web Phones and Cameras
- And many more to come

As of February 2003, there has been a virtual explosion of products for this new technology. Eventually USB2 will completely replace the parallel and serial interface.

IDENTIFYING USB AND USB2 PRODUCTS

There are new logos that identify certified USB2 equipment, one for USB2 certified products and one for USB certified products. Pictures of the logos are available at www.usb.org.

DRIVERS AND OTHER THINGS

If you want to add USB2 to an older motherboard or you are running Windows, 98 and up, then you will want to install a PCI USB2 card. Make sure that it has drivers for your operating system. Most of the cards that I looked at had drivers for older operating systems. At present, Microsoft is only supporting Windows 2000 and XP. If you are an old USB user, you will remember (probably a bad memory) that Microsoft refused to support USB on the NT platform. Well if you need USB on NT, it is available now from other vendors. Also there is a group devoted to bringing USB to Linux.

Q AND A

Q. How many devices can be connected to one host?

A. You may connect up to 127 devices to a single host. (YES, but would you want to?)

Q. If Hi-Speed USB 2.0 is 40X faster, why does my CDRW not run faster?

A. Look Mr. High Tech guy, the 40X-speed improvement is only talking about the bus. Your equipment is the performance bottleneck.

Q. How far away from a host can a peripheral be located?

A. The maximum cable length is 5 meters (that's 15ft. to Americans). You can extend this with Hubs.

Q. Will my old PC work with a Hi-Speed USB 2.0 peripheral?

A. If you are using a PC that has USB 1.1 and you plug your Hi-Speed USB 2.0 peripheral into the USB 1.1 system, your system will perform at the USB 1.1 speed. To get the higher USB 2 speeds will require that you update your PC either by adding in a PCI add-in card or purchasing a new MB with a discrete host controller that supports Hi-Speed USB 2.0 and installing Hi-Speed USB 2.0 drivers.

Q. Hi-Speed USB 2.0 is about the same speed as IEEE 1394, so don't they compete?

A. No, Hi-Speed USB 2.0 is expected to become ubiquitous on all PC platforms (like floppy drives did) because it is more easily integrated into the core chipsets. IEEE 1394's primary target is audio and visual applications like digital camcorders.

Q. What is IEEE1394 (firewire)?

A. That is a good subject for the next news letter.

YOU AND USB2

USB2 is a new standard that you should take seriously, as it will eventually capture almost all layers and types of consumer products. A good start is this article, but for more info, I would suggest that you go to www.usb.org. This is the official USB web site and even has a short article and test for those selling USB and USB products.

Are you stuck in a dead-end electronics technician job?

Are you prepared for a better position if one should be offered?



Spend some time at this point in your life to prepare yourself for that "Dream Job" when it finally comes around. Convert your Associate Level certification to a full CET by electing a Journeyman test that is in the field that you enjoy best. Take control of your future and select a field offered by ISCET. Select the study material from amongst the many offerings on the ISCET website.



If you're already a CET, think about becoming "registered". This is offered to those CET who keep their abilities up-to-date. Contact ISCET for details.

www.mcmelectronics.com

The Value of Knowledge: An IS CET Editorial

By Ed Clingman, IS CET Administrator

Considering the Columbia disaster of Feb. 2, 2002 and the endless rhetoric about the various aspects of this unhappy occasion - it seems only proper that given IS CET's dedication to advancing the knowledge of those involved in the electronic discipline - something should be said about continuing the United States efforts in space. All too often, the dictums of politics and economics (a potentially deadly brew) conjure a path for the future that has the sweetness of the Sirens of Sinbad and the stupefying euphoric effect brought about by the projection of a bright future if only we adhere to the recommended path. In this case the path is discontinuing or severely minimizing our expenditures to allow pursuing other nobler endeavors...thereby depriving mankind of the progress toward space exploration, and its vast development of knowledge that would surely occur if allowed.

As Sir Alfred Lord Tennyson (1809-1892) wrote in his poem "Ulysses", "This gray spirit yearning in desire to follow knowledge like a sinking star, beyond the utmost bound of human thought." It is certainly proper to consider what great secrets of the universe can be laid in the open light and the riches of both economics and Man can be learned so that a better life and being for all can be afforded. Is this not what mankind has pursued over the years?

Our present position is just a smidgen past the starting line of knowledge acquisition. We don't know how long the race...nor what the time limit...we only have that indomitable desire to improve our situation and ourselves.

To that end should the monies be available for continuation of Space Research?

It is quite likely that in the long run values received will be beyond all the dreams of today's man. All the sacrifices of mankind from the beginning to now have been aimed in this one direction - To know more about those things that govern our lives. Space Exploration is just one of those natural endeavors.

Abandoning efforts toward exploring the worlds about us is to raise our heads to the apocalypse and suffer the swift and certain neck severing blows.

Please address any comments and responses to this article to: Publisher, ProService Magazine, 3608 Pershing Ave., Fort Worth, TX 76107. *Responses may be published in a future edition of ProService Magazine.*

www.ptscorp.com

New NESDA Members from 1/22/2003 to 3/13/2003

Gary Andriz

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Winfield, IL 60190
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Bob Barone

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rbarone@crutchfield.com

Myong Cho

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(401) 353-7490 ; Fax : (401) 354-4044
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Steve Davies

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(360) 377-3747 ; Fax : (360) 377-9767
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jaytrieber@hometheaterconcepts.com

Joe Vozabal

Joe's Video & Appliance
646 Second Street West
Dickinson, ND 58601
(701) 227-1740 ; Fax : (701) 227-1740
joevideo36@starband.net



BUSINESS FOR SALE

Consumer Electronics Service Center Austin, Texas

Warranty service location for most major manufacturers.

Well established, profitable business.

Owner anxious to retire.

Contact Carl Monin at Corporate Investment

Phone 512/346-4444; Fax 512/346-4473; email cmonnin@corpinvest.com



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Black and White: Full Page — \$250 Half Page — \$125
Color: Full Page — \$500 Half Page — \$250

<http://nesda.fieldpower.com/>

<http://nesda.fieldpower.com/>



Cherry Picking

By John Eubanks CET, NESDA President

Seems that each year pictures appear everywhere of cherry blossoms in bloom on the trees in Washington, D.C. This is an indication that winter is coming to an end and spring is near. A visual sign of encouragement for all that better conditions lie just ahead. Nature's own press release for its new crop to fill our pies, cakes, and many beverages throughout the coming year. Overall a simple visual image used to reflect a positive outcome.

Although a cherry picker could be one who gathers the fruit from the cherry tree, it is more likely thought of as a mobile machine capable of lifting someone to selectable heights to perform any task that person desires. This is another positive implication.

In our electronics service industry the term "cherry picking" does not have any of these positive connotations. Quite the contrary, it projects rather negative expectations. It is a slang term previously used to describe the tendencies of any technician who selects the easiest jobs to ensure his production and pay remains high. It doesn't take great intellect to understand that when you remove all the cherries from this pie then only the crust remains for all others. Most technicians branded as cherry pickers don't last long after their "cherry picking" method of operation becomes clear to managers and other technicians they are associated with. Most technicians operating in this

manner change jobs very often to keep this scheme going.

When you think you have seen every application available for such a scheme, take a long look at the way it is presently being applied by certain manufacturers. This "cherry picking" scheme was revamped to become just as favorable a factor in a service network as it is to an unscrupulous technician within any service center. The primary difference is, the "cherry picker" controls this entire service network and his removal is not an option to solve the problem. The ability to select your work by injecting factors of location, technical difficulty, and parts availability is the same principal as leaving only the crust of the service pie to those remaining in your independent service network. It is destined to leave a very bad taste in many mouths.

This isn't a first excursion into abetting unfair advantage from a system they totally control. Previously a non-competitive flat rate pricing structure was employed by factory technicians to gain advantage by controlling dealer parts cost to their independent service network so that in many cases their advertised flat rate did not even equal the dealer cost of the circuit board they replaced.

Ironically these cherry trees traditionally pictured in bloom were given to our nation by the same country that is the origin of some manufacturers seeking advantage by

employing such an unscrupulous cherry picking scheme. These trees were given to the United States in 1912 by Japan. Just as beauty is capable of disguising real value, so is nature by providing beautiful blossoms on trees that produces inferior fruit. The species planted in Washington D. C. are generally known as Oriental Cherry trees and treasured for the beauty and abundance of their bloom rather than their fruit.

A very famous American fable credits the father of our country George Washington with cutting a cherry tree down then refusing all temptation to deny his role in this deed. Perhaps there is a lesson for today's independent servicer regarding these ongoing "cherry picking" schemes. Refusing temptation to perform work under such unfair conditions is a decision that ultimately must be made by every individual service business. As each situation is evaluated for cost effectiveness by every servicer voids will begin to appear forcing the factory to service these products themselves or begin treating their service network fairly. We must first learn to stick to our goals whether they be landscaping or baking by being selective in the partners we choose to accomplish them. Today a certified technician working for an independent service company earns a medium wage of \$22K per year while the same qualifications earn the certified technician working for a national service company 37K per year as recorded in the August 2001, study by Ohlhausen Research for CEA. Now you know why these trends continue.

May I suggest that you try some apple pie, but know the species of fruit it contains before you ever bite into it...

IN MEMORIAM: FRANK SCHROEDER

"Frank Schroeder, a former long-time NESDA member and Region 5 Director of NESDA, as well as a past president and director for WESA (WI), passed away on February 28 in Las Vegas. Frank was retired, and not known by the younger bunch of you, but was well-known and well-regarded by us old-timers.

I pass along part of an e-mail I received the other day from one of Frank's lovely daughters, Stephanie:

They were vacationing and participating in the 'Stardust' Keno Tournament (as they tried to do 3 times a year). Friday after checking out of the hotel slightly after 10 AM to return home, Dad collapsed and was immediately helped by the staff and paramedics. Both Dad and Mom were transported to the hospital and he died at 11:15 AM. Mom was talking to him and holding his hand when he took his last breath. Her friends stayed with her and made all the necessary arrangements for her to come home.

If you wish to express condolences, you may talk to Joan at home in Milwaukee at 414-466-3980.

Alternatively, you may e-mail a message through Stephanie Kanavas at SAKR4360@aol.com," writes Wallace Harrison.



Be Prepared

By George Brownyard CET, ISCET President

Constant change is a way of life in electronics. We are all excited about the new technologies emerging. But, it is not always greeted enthusiastically, when it is perceived as affecting one's job.

The field of consumer electronics service has been faced with product that is less and less economical to repair. Many of the traditional products that have been serviced in the past are gradually becoming disposable products. Many service centers are disappearing with those products. Those that continue to survive must adapt and promote their skills to meet the challenges of servicing the new higher tech equipment.

Those in the industrial field are also faced with changing technologies, but in addition they must adjust to an ever growing trend of manufacturers that are relying more and more on temp employees. Technicians that survive will also have to expand and promote their skills. In growing numbers many temp agencies are now looking for technicians with the highest verifiable skills, so that their technicians are the ones that get employed.

Those that view change as new opportunities, and sharpen their skills accordingly, will survive. Those that do not, and hope to continue to do things as usual, will be in the

same position as those a century ago that refused to stop making buggy whips.

It may not be enough to just try to keep up "on your own". You are going to have to sell yourself to an employer, or your clients.

The CET already has a "leg up" by possessing the most recognized credential in the industry, but even the CET needs to consider enhancing their credentials by adding relevant Journeyman options.

It's not surprising that many foreign countries are promoting the ISCET certifications to their technicians, to become more competitive in the international marketplace.

In the next decade the good jobs in electronics are going to become more and more competitive. Don't be left holding the buggy whip, BE PREPARED.

NEIHOF Accepting Nominees; New Website Online

Mack Blakely, Executive Director of the National Electronics Service Dealers Association (NESDA), has announced that the National Electronics Industry Hall of Fame (NEIHOF), a division of NESDA, is again accepting annual nominations in six categories for honorees who have made major contributions to the electronics industry.

The categories are as follows: 1) Scientists, Inventors and Engineers; 2) Business and Industry; 3) Communications; 4) Association Executives; 5) Industry Association Members; and 6) outstanding individuals who do not clearly fit any of the other groups. Only one honoree may be selected from each category per year.

One of the most important functions of

the Hall of Fame is to select and honor new members through a nomination process that will be open to the entire electronics industry. A downloadable nomination form is available online at the Hall of Fame's new website, www.eihof.org. Anyone who knows of a worthy nominee is encouraged to visit the website, download the form, and submit it for consideration. The form may be printed and returned with a \$150 application fee.

"The original purpose of the Hall of Fame was to honor those individuals who have made outstanding contributions to the electronics industry or served as inspiring examples for others to follow. The website will offer an improved opportunity for nominations of worthy individuals and will help

the Hall of Fame move into a new era," said Hall of Fame President and Chairman of the Board Dorothy Cicchetti EHF.

The Hall of Fame is a not-for-profit corporation chartered in Texas, and accepts donations to assist in its operations. If you would like to make a tax-deductible donation, please contact the NESDA office at 817/921-9061 or send your gift to Electronics Industry Hall of Fame, NESDA, 3608 Pershing, Fort Worth, TX 76107.

[Editor's Note: "EHF" is the designation for elected honorees of the Electronics Industry Hall of Fame.]

IN MEMORIAM: FRANK TESKEY

"Frank was one of the six men who formed the Indianapolis Television Technicians Association back in the early 1950's. He went on to help form the state association, IESA. He was always there working for the association and helping to form local affiliates. He worked for a licensing law and served on the board once the bill was passed.

He joined NATESA and when NEA broke off he went with NEA. He joined NESDA when it was formed and tried for many years to reconcile the differences between NEA and NESDA. We enjoyed many conventions and the friends we made at them.

Frank passed away November 26, 2002," writes his widow, Shirley Teskey.

ISCET Student Chapters/ LaCrosse, Wisconsin and Owosso, Michigan

Western Wisconsin Technical College/ LaCrosse, WI:

"Our club has been involved in a number of activities. I will give you a grocery list of them.

1. We recently started giving demonstrations at area middle schools (6-8th grade) to promote the field of Electronics. These demonstrations include a variety of electronic stations such as soldering, DC motors, use of function generator and oscilloscope, muscle wire and robotics. The club



Jenny Pate promotes the field of electronics at a middle school as Will Welch and Adam Burman watch.

has purchased some small robots to demonstrate and also gives one away at each demonstration to one of the participants. We



ISCET club members from Western Wisconsin Technical College of LaCrosse, Wisconsin include: Cory Roebbke, Mark Schroeder, Don Steinmetz, Jason Van Zomeren, Jenny Pate, Frank Dolezal, Brian Blatz, Shane Jones, and Steve Gorkowski.

use a robot to pick the winner of the robot we give away. These events have been a real publicity builder for our club with newspaper and TV coverage at the events. The club members I think get as much out of it as the middle school students. One of the charters of our club was to promote the field of Electronics and we are still looking for more ways we can get younger people interested, either as a career or a hobby.

2. Some of the second year students have set up a tutoring schedule for first year students in any of the Electronics programs we have here at school.

3. We have had quite a few field trips in the last year. Trips that pertained to electronics include our recent attendance of the CES show in Las Vegas, Leeson Electric (a manufacturer of electric motors) and we will be touring the local TRW plant in the next few weeks. Fun trips include: next Friday the club will be downhill skiing at our local ski resort, just after school lets out we are going on a family camping trip, some of the members are also involved in a variety of athletic activities in small groups such as kick boxing and strength training.

4. Fundraising. All the activities the club has done have been funded by the club through a variety of fundraising activities. We have had raf-

fles, brat sales, the club also reconditioned some older O-scopes and resold them.

I am sure I have missed a thing or two the club has done but the above list is a good start. Our club is only two years old and still on the learning curve. We are still looking for ways to be more involved with the community, we plan on increasing our middle school program, and promote Electronics even more as time goes by," says John Burman the ISCET Student Chapter Coordinator at Western Wisconsin Technical College in LaCrosse, Wisconsin.

Baker College/ Owosso, MI:

"The ISCET Electronics Club at Baker College of Owosso just last week had a tour of the GM Truck Assembly plant in Flint Michigan. Everyone was very excited about the way all the components of electronics worked together to produce a pickup truck. One of the Electricians at the plant also had some motors set aside for us to troubleshoot and assemble. The club is also starting to gather parts for a AM receiver they want to build. We have 7 active members at the present time, but are inviting more students to join," says Tom Cunningham, an electronics instructor at Baker College of Owosso Michigan.

The ISCET Board, at its January 2003 meeting, appointed a group to study the Student Chapter program with an eye to improving the functions of Student Chapters. Any ideas or suggestions anyone has concerning student chapters would be most appreciated. Address your comments to:
ISCET Administrator
3608 Pershing Ave.
Fort Worth, TX 76107

Welcome to the Newest ISCET Student Chapters:
Oakland Community College of Auburn Hills, Michigan and ITT Technical Institute of Green Bay, Wisconsin

What's New in Electronics?

B&K Precision Announces Bench Multimeter

B & K Precision announced the introduction of the model 5492 Bench Multimeter, which utilizes a standard 115VAC outlet as the power source.

The company indicated that the new benchtop unit features a dual display and a selectable 120,000, 40,000 or 4,000 display count resolution.

The unit is priced at \$695, and comes with a one-year warranty, user manual, line cord and test leads.

For more information contact: B&K Precision Corporation, 22820 Savi Ranch Parkway, Yorba Linda, CA 92887; 714-921-9095; www.bkprecision.com.

Xuron Corp. Introduces Ergonomic Scissor

Xuron Corporation introduced the model 9180 Kevlar® Shear, an ergonomic scissor designed for cutting Kevlar® fiber insulation.

The company indicated that the scissors feature one serrated blade edge, rubber grips and no finger loops.

The tool is priced at \$21.75.

For more information contact: Xuron Corporation, 60 Industrial Park Rd., Saco, ME 04072; 207-283-1401; www.xuron.com.

DTIC Dispensing Technologies Debuts Adhesive Gun

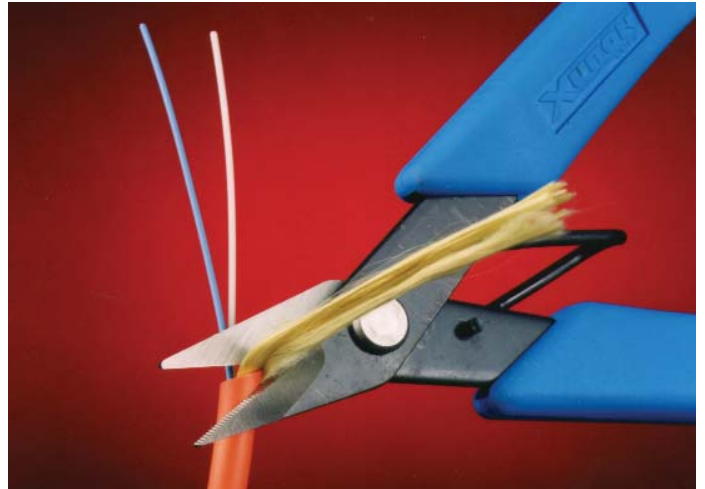
DTIC Dispensing Technologies introduced the EZ-mix®HI Dispenser, a portable motorized hand gun with a light-touch trigger.

The company says that the cordless hand tool accepts most standard 50ml dual cartridges and can dispense up to 50 cartridges on a single charge, depending on the material and viscosity.

The unit is powered by a rechargeable 6 volt NiMH battery, and includes an AC adapter charger.

The EZ-mix®HI Dispenser is priced at \$495 (list) complete.

For more information contact: DTIC Dispensing Technologies, 835 Sterling Rd./P.O. Box 1204, S. Lancaster, MA 01561; 877-367-3842; www.disptech.com.



The model 9180 Kevlar® Shear from Xuron Corporation.

www.repairworld.com



by Ed Clingman, ISCET Administrator

W-9 and 1099-Misc. Forms:

Many CA's have questioned the use of forms W-9 and 1099-Misc. These are required by federal law in any instance where money is paid to someone for something other than wages covered by traditional payroll accounting. The W-9 gives information necessary to report the payment(s) to the IRS and the 1099-Misc. is sent to recipients of the money.

While the money received could be taxable, there are limits under which no reporting is required. These can vary from year to

year, and are usually high enough to issuing the 1099 form to all but the most active CA's. Last year it was \$600.00.

The law requires that we send both the W-9 and the 1099-Misc. to you when it is appropriate. If we do not have the W-9 from you, the law requires us to withhold 33% of all monies paid to you and remit it to the IRS with quarterly reports made on payroll activities.

If you have questions or comments, please direct them to ISCET Accounting:
ISCET

3608 Pershing Ave.
Ft. Worth, TX 76107
Phone: 800-797-9197, ext. 18
E-mail: ed@iscet.org

CA Symposium at NPSC 2003:

The CA Symposium during the upcoming NPSC 2003 is tentatively scheduled for Thursday July 17th. This would allow attending the symposium and then the trade show on Friday, culminated by the banquet on Saturday. So that we can welcome any CA that hasn't attended NPSC in the past, a **3-day complimentary** registration will be offered. This does not include the cost of a

hotel room, but will include sponsored meal events during those three days.

Plans are not complete at this time, but an informative meeting is planned, with ways you can increase your CA activity. There will be a question and answer session with discussions where applicable.

Online Testing and Learning:

Plans are on schedule for the ISCET Online Testing and Learning projects. Data is being entered, and trials will begin mid-May to mid-June. A full demonstration is planned for NPSC 2003 during the CA Symposium.

New Tests and Retirement of Some Old Ones:

Some of the tests have become outdated and are being replaced. A full report will be in the upcoming March edition of the CA Communicator. Several tests are being or have been replaced. There will be a list of tests that will still be given in the upcoming CA Communicator. None of the replaced or deleted tests will be given after July 1, 2003, so watch for the Communicator in your mail.

**Welcome New CA's from 1/24/03 to 3/13/03: Iutisone Tiliaia of El Paso, TX
Welcome to the ISCET Family!**

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Welcome New Associates & CET's

Welcome New New CET's: Passed Journeyman Exam from 1/24/03 to 3/21/03 Certification Administrator:

Name **City, State**

Stanley Creitz CET/CA:
Barton A. Jones Bloomington, NE

Edward J. Kimmel CET/CA:
Jerry R. Schmuckie Louisville, KY

James F. Lockhart CET/CA:
Patrick J. Smerlin Alabaster, AL

Edward Reilly Jr. CET/CA:
Gary K. Brown Las Vegas, NV
Richard D. Denrick Las Vegas, NV
Talon G. Tolleson Beatty, NV

George Weiss CA:
Steven A. Gelman Buffalo Grove, IL

Troy West CA:
Robert R. Aston El Paso, TX
Harold K. Schorr Chaparral, NM

Welcome New New Associates: Passed Associate Exam from 1/24/03 to 3/21/03 Certification Administrator:

Name **City, State**

Bernadette Astorga CA:
Ryan L. Walker Midvale, UT

Harold Baker CA:
Phillip D. Smith Phoenix, AZ

Richard Bateman CET/CA:
Shawn M. Briggs Fredonia, NY
Vasilij Deputat Depew, NY
Michael K. Headley Buffalo, NY
Damone A. Mayfield Buffalo, NY
Simon Moverguz North Tonawanda, NY
Jason J. O'Connor Depew, NY
Charles J. Rausa Buffalo, NY

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Jerry L. Edwards West Palm Beach, FL
Oniel R. Smith West Palm Beach, FL

Hassell Craft CA:
Jason L. Crouch Lexington, KY
Christopher S. Crowe W. Aynsburg, KY
John M. Daniels East Point, KY
Joseph Lee Manley Jr. Frankfort, KY
Bradley M. McGrath Danville, KY
James W. Shelton Maysville, KY
Lornie A. Stone Lexington, KY
James A. Thompson II Georgetown, KY
Charles L. Williams Jr. Lexington, KY

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Andy J. Moore Clyde, KS
Bryan E. Tiede Beloit, KS

Micheal Erway CA:
Jeremiah J. Simmons West Covina, CA

James L. Fellows CET/CSM/CA:
Yohandy Carrazana Syracuse, NY
Ransom Evans III Syracuse, NY
Jacqueline L. Foster Baldwinsville, NY
Phillip H. Moore Nedrow, NY
Susan M. Usiatynski Constantia, NY

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Max Hernandez Donna, TX
Omar Hernandez Alamo, TX
David G. Perez McAllen, TX
Margarito Salinas III Weslaco, TX

Earl W. Hines CET/CA:
Timothy W. Monday Sweetwater, TX

ISCET:

Serigo O Flores Arlington, TX

Lazergrade:
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Jared A. Palmer Arlington, TX
Paul C. Revel London, KY
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Tushar Kinariwala Reading, PA
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Christa M. Nielson Lehigh, PA
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Lisa J. Zipp Alburtis, PA

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Hoanh Ly Wichita, KS
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Michael A. Moore Wellington, KS
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Michael B. Yauch Wichita, KS

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