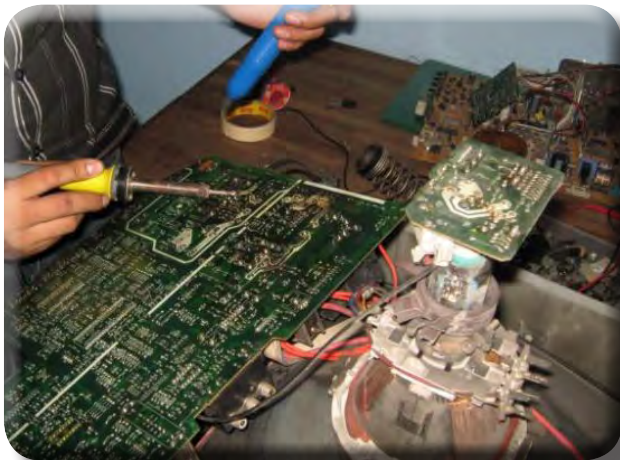


CRT/LCD VIDEO, REDEMPTION & CRANE GAME REPAIR

COMING
TO THE
NORTHEAST

Randy Fromm - Frank "the Crank" Seninsky

Spend Five Days with Two of the Industry's Experts



MARK YOUR CALENDAR
August 6 - 10, 2012
New Jersey

Across from Newark Airport
Close to NY, PA, CT, DE, MD, RI...

ATTENTION ROUTE OPERATORS, FEC, BOWLING and AMUSEMENT ENTERTAINMENT INDUSTRY GAME TECHNICIANS

This is a "fast-track" class for game technicians who want to learn the quick and easy way to fix monitors and power supplies without having to learn a lot of electronic theory or mathematics.

Discover the standard tools and parts needed for efficient service, most effective methods for getting locations to accurately log and call in game problems, the most common video, redemption and crane problems and what tools you need to fix them.

EARLY BIRD SPECIAL

SAVE **\$100** if you register by 07/06/2012

Only ~~\$895~~ \$795 per person

Includes:

Digital Multimeter
Soldering Kit
Sample Components
Textbook

Discounted Hotel Rate of \$99/\$109
See Back Page



Randy Fromm teaches switched-mode power supply repair.

Randy Fromm, began his coin-op career in 1971, working as a route mechanic in Los Angeles, CA, and has been educating coin-op technicians since 1980. For the better part of two decades, he was a frequent contributor to both RePlay and Play Meter magazines. He currently publishes a magazine, "Slot Tech Magazine" for slot machine technicians.

Randy will stress component identification and testing so you'll learn how to find most bad parts (resistors, capacitors, transistors, etc.) yourself. It is important to know what the parts are and how to test them to see if they are good or bad. Each student will receive his/her own digital multimeter as part of their classroom materials package.

You will learn the easy way to locate and purchase replacement components

at reasonable prices and how to make substitutions too, when the exact replacement component is unavailable.

Each student will receive his/her own soldering project kit. The kit includes a soldering iron and pliers as well as PCB and components. In order to be a competent electronic technician, you must know how to solder properly. Untrained technicians can cause hundreds or thousands of dollars worth of damage and/or lost revenue.

During the class, Randy will cover the theory of operation of power supplies, CRT and LCD monitors. He will also show you the most common failures in power supplies, CRT and LCD monitors so you can repair them quickly and easily without having to spend time troubleshooting.

Frank "the Crank" Seninsky joins Randy to teach you game layout techniques, standard tools and parts needed for efficient service, most effective methods for getting locations to accurately log and call in game problems and how to get locations to unjam coins, new inexpensive technologies to track game play (revenues and ticket payouts and crane win %'s) in real time through the In-

ternet, and common game marketing ideas.

Seninsky is president of the Alpha-Omega Group of companies, which includes a consulting agency, Amusement Entertainment Management, LLC (AEM), Alpha-Omega Amusements, Inc., Alpha-BET Entertainment, and Alpha-Omega Sales, a game & related equipment distributor. During his 44 years in the leisure entertainment industry, Seninsky has presented over 400 seminars and penned more than 1,500 articles.



**Frank "the Crank" Seninsky
President, Amusement
Entertainment Management**



If you have any questions,
call Randy at 619-838-7111 (cell)
randy@randyfromm.com - www.randyfromm.com

or

Call Frank 732-616-5345 (cell)
fseninsky@aol.com
www.AEMLLC.com



Program Information

Monday, August 6, 2012

Registration: 8:30 a.m. - 9:00 a.m.
Program: 9:00 a.m. - 5:00 p.m.

Tuesday, August 7, 2012

Program: 9:00 a.m. - 5:00 p.m.

Wednesday, August 8, 2012

Program: 9:00 a.m. - 5:00 p.m.

Thursday, August 9, 2012

Program: 9:00 a.m. - 5:00 p.m.

Friday, August 10, 2012

Program: 9:00 a.m. - 4:00 p.m.

Cancellations - To cancel your registration and receive a refund, a written request must be received by July 20, 2012. A \$50 processing fee will be assessed. No refunds after July 20, 2012.

Space is limited so Register Early!

Day One - Beginning Electronics for Amusement Technicians

This segment assumes that you have no previous electronics training and takes you through a simple, NO MATH look at electronic components, electronic circuits, schematic diagrams and more! Understanding electronics is easy when you learn the basics of how circuits and components operate.

Using a Digital Multimeter - The DMM is the single most important piece of test equipment you can use. This class shows you how to use the meter to make the tests and measurements necessary for fixing all types of machines.

Electronic Components - All of the individual components used in gaming machines are introduced. Parts such as resistors, potentiometers and capacitors are covered individually. Students learn how the components function in the circuits and how to test them for proper operation using the digital multimeter.

Schematic Diagrams - Schematic diagrams are the blueprints for electronic circuits. Learning to interpret schematic diagrams is a natural part of the school. The schematic symbols are used throughout the course and students become familiar with schematic diagrams throughout the class.

Day Two - Diodes, Transistors & Other Semiconductors Hands-On Transistor Test Lab

Semiconductors are the basis for just about everything in today's amusement equipment. Semiconductor failures of all types are among the most common of problems you will encounter when fixing power supplies and monitors.

This part of the school takes a look at all of the different types of semiconductors commonly seen in amusement machines. We'll take a look at the operation of each component, along with testing procedures to determine if the part is good or bad. Students will have ample opportunities to practice their testing skills during the hands-on transistor lab. Replacement components will also be discussed.

Day Three - Soldering and Power Supplies

Component removal and replacement is a better term for this segment. During this short segment, students will be provided with their own soldering station, solder and desoldering supplies and "junk" monitor chassis so they can practice to their heart's content without fear of damage. This equipment will be theirs to keep.

Power supplies are at the heart of all electronic systems and power supply failure is common in all of them. Amusements are certainly not immune. It is not uncommon for an amusement machine, jukebox or bill changer to have a half dozen power supplies working together. This session covers all types of power supplies, including linear power supplies and the Switched-Mode Power Supply (SMPS) found in monitors.

Day Four - CRT Monitor Repair

The Amusement Industry is the last home for the CRT monitor. This session covers CRT monitor theory of operation, including detailed circuit analysis with a special emphasis on the most common failures and shortcuts for quick and accurate troubleshooting.

Day Five - LCD Monitor Repair

LCD Monitor repair is generally pretty easy thanks to a modular design. This segment covers the theory of operation of LCD monitors. There will be a presentation on the repair techniques including CCFL testing and replacement.

Join Frank "the Crank" Seninsky from 4:00 - 5:00 p.m., Monday through Thursday as he discusses the most common video, redemption and crane problems and what tools you need to fix them. You will be shown how to make various adjustments and how to layout the games and program them properly.



Hotel Information

Call **1-973-824-4000** to make your reservation and reference “**CRT Video Repair Class**” room block or Group Block Code **537950**.

The **Wyndham Garden Hotel Newark Airport** is ideally located directly across from Newark Liberty International Airport. Use the convenient 24-hour complimentary airport shuttle ; relax in the Starlight Lounge (5:00 p.m. - 2:00 a.m.) or have a meal in the Starlight Restaurant (6:00 a.m. - midnight); and enjoy complimentary WiFi service throughout the hotel and guestrooms.

A guaranteed rate of **\$99/single - \$109/double plus tax** is available until **July 5, 2012**. After cut-off date, room block will be released and reservations will be subject to room/rate availability. Individuals will need to guarantee rooms with a credit card.

Wyndham Garden Hotel
550 Route 1 South, Newark, NJ 07114

1. **Check In Time:** 3:00 p.m. - **Check Out Time:** 12:00 noon
2. **Changes and Cancellations:** 24 hour prior to check-in time of 3:00 pm.
3. Free parking at the hotel is subject to availability and is on a first come first served basis.

WORKSHOP ENROLLMENT FORM (Please Print)

Company Name: _____

Billing Address: _____

City/State/Zip: _____

Telephone: _____ Fax: _____

Contact Name: _____

Email: _____

Attendees: _____

- If you need any of the auxiliary services identified in the Americans with Disabilities Act (ADA), please check this box and include a statement regarding your needs on the line below.

FAX to 732-254-6223 or Mail to: **INOVA - CRT/LCD CLASS**
P.O. Box 454
Hershey, PA 17033

Registration Fee	\$ 895
EARLYBIRD - BY 7/06/12	\$ 795
No. of Attendees x _____	
Sub Total	_____
3% Credit Card Processing Fee	_____
Total Due	\$ _____

PAYMENT METHOD

- Check Enclosed (Payable to: INOVA in U.S. Dollars)

CREDIT CARD PAYMENTS WILL BE SUBJECT TO A 3% PROCESSING FEE

CREDIT CARD Name on Card (PRINT) _____

VISA MC _____

Exp. ____/____ Signature _____ CIV # (Back of Card) _____

MAKE SURE CORRECT BILLING ADDRESS IS REFLECTED ABOVE
PAYMENT IN FULL IS DUE PRIOR TO THE PROGRAM