

Computer News

Scheduled Events

April - May 2016

Investor SIG **April 11, 2016 5:30 PM - 7:30 PM**
May 9, 2016 5:30 PM - 7:30 PM
23 Skipping Rock Way, Napa

Mac SIG **April 14, 2016 6:30 PM - 8:30 PM**
May 12, 2016 6:30 PM - 8:30 PM
Napa Senior Center / 1500 Jefferson St., Napa

General Meeting **April 20, 2016 7:00 PM - 9:00 PM**
May 18, 2016 7:00 PM - 9:00 PM
Napa Senior Center / 1500 Jefferson St., Napa

Board of Directors Meeting
May 6, 10:00 AM - 12:00 PM
House @ Napa Senior Center 1524 Jefferson St.,

NVPCUG
April 20, 2016 meeting
Beth Pickering
Technology changing our lives
 Technology has and is changing our world.

Ray Kurzweil, a pioneering scientist in artificial intelligence, was an amazing programmer. In 1974 he founded Kurzweil Computer Products, Inc. and developed the first omni-font optical character recognition system, a computer program capable of recognizing text written in any normal font. Before that time, scanners had only been able to read text written in a few fonts. His program could also find and fill in any gaps in the letters. He decided that the best application of this

technology would be to a reading machine, which would allow blind people to understand written text by having a computer read it to them aloud. He sold his company, which was later acquired by Xerox. That led to the development of cash registers with scanners.

Concerns with credit card security is leading to changes in this industry also. Even the terminology is new. If you don't already have a chip credit card, you will be getting one soon. Many banks, like Wells Fargo, are sending out new cards and deactivating the old ones on a pre-set date. You can activate your card, or give up your account. But is that new

technology card the right one for you? At our February meeting Beth Pickering will discuss the pros and cons of these new cards and what you need to watch out for. Contrary of what one commercial is implying, most of the new ways to pay will require new POS devices.

Some terms you will need to know;

POS – Point of sale

CNP - A card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC) is a payment card transaction made where the cardholder does not or cannot physically present the card for a merchant's visual examination at the time that an order is given and payment effected, such as for mail-order transactions by mail or fax, or over the telephone or Internet

Magstripe – card containing just a magnetic strip

EMV – Europay MasterCard Visa – a microchip card

Customers inserted the card into the merchant's POS terminal, then typed the PIN, before the transaction is accepted. Only some EMV cards in the US require a pin.

SIM – subscriber identity modules – card used to connect a cell phone to a subscribed mobile network. The average SIM card is made up of two components, which are the Subscriber Identity Module and the plastic encasement that surrounds it. Inside the SIM card is unique data that allows a mobile network to identify a phone. The SIM card gives the network access to communication features, such as phone calls and SMS messaging. A SIM card also contains a small-sized memory space, which allows it to save up to 250 unique contacts as well as other types of information. SIM cards are interchangeable between different compatible handsets.

Smart cards – credit cards that use SIM technology for touch or touchless use

CCID – Chip Card Interface Device – a USB protocol that allows a smartcard to be connected to a Computer, such as the Microsoft Windows operating system, using a standard USB interface. This allows the smartcard to be used as a security token for authentication and data encryption such as Bitlocker. CCID devices typically look like a standard USB dongle and may contain a SIM card inside the USB dongle.

This should be an interesting presentation so bring a friend and come on down you might learn something of interest.



Last month we were privileged to have **Ron Bellows** from **CE-GROUP** 1562 Silverado Trail Napa, CA 94559 (707)257-9701 who discussed and demonstrated **Windows 10**.

Ron started with the “**Start Button**” and worked his way through to cloud storage.

There are many improvements to **Windows 10** over 7, 8, and 8.1.

Windows 10 brings back the “start button” and is designed to be compatible with your current software and hardware. It comes with many built in applications like Maps, Photos, Mail, Movies & TV, Groove, and OneDrive. Maps, Photos, etc. are pretty much self explainable.

In **Windows 10** “OneDrive is a cloud drive so if you save to the “OneDrive” you are saving to a **Microsoft** Cloud server. To do this you will need your password for **Microsoft**. Once information has been saved to the Cloud you can access it from any computer anywhere.

“Groove” is **Microsoft**’s music store where you can listen to and purchase songs from their collection of over 40 million songs.

Windows Store is new and you can browse it on your PC, tablet, or phone and download free and paid digital content like games, movies, applications, and TV.

Windows 10 has a new personal assistant they call “Cortana” that is designed to learn as you use it. It becomes more useful as you use it.

Windows 10 lets you create virtual desktops so you can keep track of things by project. you can switch from desktop to desktop to use different apps like playing a game on one and writing a letter on another.

Ron also talked about the improved security in **Windows 10**. It has new and more robust identity and access control, information protection, and malware resistance.

I hope that Ron will come back and cover all kinds of computer information. I was impressed with his knowledge and his ability as a presenter. Thank you Ron.