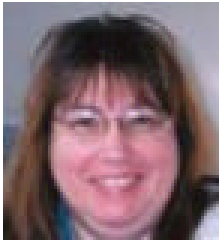




June 2005

THE PREZ SEZ...



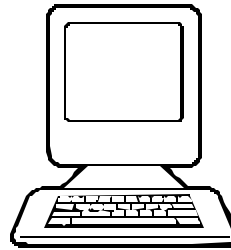
Hi everyone... Happy Summer!
Well... once again it's time for change. After taking into consideration, the discussion with our members who attend our meetings, both pro and con, your Board has made the decision to have one meeting only in the

of June, July and August. The meeting on the Second Tuesday of each month will be held at the Seventh Day Adventist Church. This financial decision, just a practical one. Since our meeting attendance usually goes down over the summer because of vacations or just plain old heat, we thought it would be a nice break.

HOWEVER... if you still need your CCMV fix, you can't miss it! The meeting on the Fourth Tuesday of the month will be held ONLINE, from 9-10:30. Yes... that's right... ONLINE! Well.. computer club ya know. 8) This means, even if you are away, you can connect to us if you have a computer available.

Instructions on how to connect can be found on our CCMV website (www.CCMV.net) on our "Club Calendar" page, where you can follow them there or print them out. The Chat area is live now and you can go there anytime to chat with whoever is online. You don't have to wait for meeting time. Dwight and I will try to be logged in whenever we're in front of the computer so you'll have someone to say hello to. I'll also provide a brief tutorial at the meeting on June 14th, so plan on being there if you want to

I think this is a good move. It is going to take some pressure off of the volunteers who work so hard making our meetings happen each month. Their dedication to our club is outstanding and we wouldn't be able to make things happen if not for them. I look forward to your comments. Have a wonderful and



Lon's Freeware of The Month

lwhis@hotmail.com

[2.75M]

[Win 2k/XP] [FREE]

Customizing your icons is only one part of the entire Windows experience. Thanks to some great designers and talented programs, modifying your icons and getting them to fit your desktop theme has become even easier over the years. Now, sure, you could go in the long way to change your desktop icons through Windows itself. Why go through all that trouble, though? Why not use a program that takes all the work out of the problem and leaves you with the fun of deciding which icons to use where? That is where IconTweaker comes in.

you can change your icon sets in Windows XP. Once you run the program, you are given the chance to choose from the themes already available. All you have to do is click the theme's icon that you want, hit apply, and there you go. Now all you have changed over to that cool new theme. If you want to just change a few individual icons, you can do that, too. If you have a few icons you like and wish to save them as their own theme, you can do that, too. Just go into the theme editor and choose which icons you want to replace and the program takes care of the rest of the work. If you want a few more icons to choose from, it has a few more themes available to download from the IconTweaker Web site. So what are you waiting for? Customizing your Windows experience and make your icons look the way you want them to look. Vanilla folders are so 1990! Get with the future, and try out IconTweaker



IconTweaker

Murphy's Other Laws

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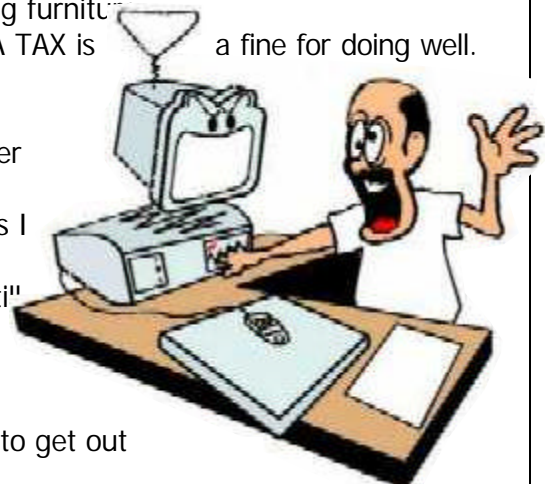
Take a look and take the poll

Meeting Time and Place
2nd and 4th Tuesday
9:00 a.m. to 11:00 a.m.
Seventh-day Adventist
Church
29885 Bradley Road
Sun City, CA

1. Everyone has a photographic memory. Some don't have film.
2. He who laughs last, thinks slowest.
3. _____ out sunshine is like, well, night.
4. Change is inevitable, except from a vending machine.
5. Back up my hard drive? How do I put it
6. I just got lost in thought. It was unfamiliar territory.
7. When the chips are down, the buffalo is empty.
8. _____, done it all. Can't remember most of it.
9. Those who live by the sword get shot by those who don't.
10. I feel like I'm diagonally parked in a parallel universe.
11. He's not dead, he's electroencephalographically challenged.
12. She's always late, in fact, her ancestors arrived on the Juneflower
13. You have the right to remain silent. Anything you say will be misquoted

14. I wonder how much deeper the ocean would be without sponges.
15. Honk if you love peace and quiet.
16. Pardon my driving, I'm reloading
17. Despite the cost of living, have you noticed how it remains so popular?
18. Nothing is foolproof to a sufficiently talented fool.
19. It is hard to understand how a cemetery can raise its burial costs and blame it on the higher cost of living.
20. Just remember ... if the world didn't suck, we'd all fall off.
21. _____ -50-90 rule: Anytime you have a 50-50 chance of getting something right, there's a 90% probability you'll get it wrong.
22. It is said that if you line up all the cars in the world end to someone would be stupid enough to try and pass them.
23. You can't have everything! Where would you put it?
24. The latest survey shows that 3 out of 4 people make up 75% of the

25. If the shoe fits, get another one just like it.
26. _____ come to those that wait may be the things left by those who got there first.
27. Give a man a fish and he will eat for a day. Teach a man to fish and he will sit in a boat all day drinking beer.
28. FLASHLIGHT: A case for holding dead batteries.
29. _____ is a device for finding furniture
30. A FINE is a tax for doing wrong. A TAX is _____ a fine for doing well.
31. It was recently discovered _____ causes cancer in rats.
32. Everybody lies, but it doesn't matter since nobody listens.
33. I wished the buck stopped here, as I _____ could use a few.
34. I started out with nothing, and I sti" _____ have most of it.
35. When you go into court, you are putting yourself in the hands of 12 people that weren't smart enough to get out



The Ubiquitous Printed Circuit

In the October 2004 issue I told you about my look at the world in light of experience at Pearl Harbor and WW2 in the Pacific theater. I have another story that ran parallel to that experience. More precise the war. I write about it because it has a direct bearing on everything electronic today. Including your computer, cell phone, your car, and who knows what else. .

My time in the Navy was in radio and radar operating and maintenance during the war. The key thing to remember here is that I often had to work with electronic hardware (as well as -dit- before it became an extinct art. I was good at it. I could copy at 50 percent of all that noise in my ears, I have to wear hearing aids today at a ripe old age of 86.) On with my story.

On discharge I teamed up with a high school buddy (in Holland Michigan) and we just 'slummed' around for a few months. After all, I was free of the military environment and I lived it up for a while. Our 'slumming' ventures we talked of grand things. Bob, my high school buddy, worked with photography and silkscreening. I was knowledgeable of the techniques used to print pictures, (rotogravure) etc. I found it very fascinating and I asked Bob why couldn't we apply these techniques to creating circuitry? Keep in mind the year was 1947. He 'sort of' agreed. His specialty was not

We decided to experiment. I asked my older brother to give me a piece of glass with a coating of silver on it, just like a mirror without the covering paint. That was his business in Grand Rapids, Michigan (The Varano Glass Company.) Then I had a draftsman make a black and white drawing. Just so that I could do some experimenting we asked him to draw a very precise spiral on an ordinary 8 X 11 paper. Then we had a photographer reduce it to very small size.-- perhaps about 1 1/2 inch diameter spiral coil.

He created a negative for us too.

We retreated to Bob's (my buddy) basement. He obtained a high intensity arc lamp and the necessary chemicals, a photo resist and etching acid (I think it was HCl, hydrochloric acid. Hey, that was more than 40 years -- and by evening of any day I don't remember what I had for breakfast.) The etching acid is used to dissolve the photo re-

I'll shorten the story to describe the experiment. We painted the silver coated glass with the photo resist chemical and then we placed the negative that I mentioned on top of the photo resist material. Got that? Here is where the arc lamp enters the picture. We exposed the glass plate to the intense light of the arc lamp so that the light passing through the transparent part of the negative

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Continued from page 3

The photo resist not hardened was under the opaque part of the negative circuit. After removing the photo resist we placed the glass in a water bath to dissolve the unhardened photo resist and then in an 'acid bath' to etched away the exposed silver, leaving behind a pattern of silver in the form of the spiral of the negative. We created the 'first printed circuit'!

Was it the first? Subsequently we applied for a patent and we wrestled with the patent office for a while – a routine matter when a patent. Our patent attorney essentially told us that we were 'nuts.' A lot of others thought we were nuts.

The patent was finally issued to us and it was dated May 10, 1950. That is one thing I do remember. The patent number was 2,506,604, under the name Lokker, et al. I didn't know that my middle name was 'et al'.

When we were experimenting we contacted many companies. But nobody wanted it. You'd be surprised at the stupid corporate responses (see elsewhere in the CCMV Newsletter about famous Corporate responses.) The lack of vision appalled me. However, in the process of poking around we found that a company in Chicago (Hallicrafters) that made radio receivers were using printed circuits in their radio frequency circuits in exactly the form of our experiments, except that by this time there was copper clad laminates available. That puzzled me. We tracked down the manufacturer and found that RCA

Naturally, we contacted RCA and sure enough they had been experimenting too but did not. There is a long story of negotiations to be told here which I will shorten quite a bit. It is worthy to note that RCA attorneys cited 'prior art' dating back to 1922 by an inventor named Rubin. In spite of that RCA settled with us and we got \$30,000. RCA invited us to their Princeton NJ labs where they showed us the development of the color TV. There was subsequently another licensing that we made to a company in Boston. Let's end the story here. So in retrospect, let me mention two things:

1. If we had done it right we could be millionaires in light of item 2.
Tell me what does not have a printed circuit today.

I would like to say that I was very visionary because I knew I would have a pacemaker some day that would need a printed circuit. But I would be a d liar. I am not a liar!

Passwords: How to pick them, remember

In old gangster movies, thugs used passwords to get into a speakeasy or mob meeting. Today, however, everyone needs passwords — guys, like you. Here's some dos and don'ts.

X DON'T use your name in any form.
X DON'T use the name of your spouse or pets.
X DON'T use a password of all the same letters.
X DON'T use a password shorter than 8 characters.
X DON'T use words that are found in the dictionary.
X DON'T tell anyone your password.

DO use a password that contains both letters and numbers.

DO use special characters, such as an asterisk (if your system allows).

DO use different passwords for different accounts.

DO try to pick passwords that are easy for you to remember.

Computer Classes by Joannie

Evening Classes held at

—

\$60.00 fee includes hands-on

Currently Scheduled Classes

—Microsoft Powerpoint

—Intermediate Microsoft Word

Ju

—Intermediate Microsoft Excel

July and August schedule will be announced later

APCUG MEMBER DISCOUNTS

CCMV is a member of APCUG and as such are eligible for User Group discounts at certain stores and online. The current list of participating vendors can be found on our website. (www.CCMV.net)

Please read the discounts and instructions carefully to be sure you get your discounts when purchasing products from these companies. Enjoy!