

**Safety to Life Through Code Enforcement**

# COCCO

North Carolina Council of Code Officials

## GROWING LEADERS

*Tim Bradley, Senior Deputy Commissioner of Insurance, Assistant State Fire Marshal*

*Unlike the possibility of plague or nuclear holocaust, the leadership crisis will probably not become the basis for a best-seller or a blockbuster movie, but in many ways it is the most urgent and dangerous of the threats we face today, if only because it is insufficiently recognized and little understood.* — Warren Bennis

**H**ow many times have you heard the comment that we don't train new supervisors in leadership until they get in the position? As such, they struggle with supervisory and leadership issues immediately upon getting the promotion and some never recover. While it is probably a documentable fact in some organizations that we don't provide leadership classes, it is misleading to say we don't provide them any training. If they haven't received any leadership training while preparing for the position, it's because of one or two issues; (1) no senior leader, instructor, or supervisor took the time to mentor them, or, (2) they didn't listen. To begin with, leaders are not born, they are grown. In his paper "Growing Leaders for Public Service", Ray Blunt shows research that indicates that we learn to lead far more from tacit rather than cognitive knowledge, as apprentices of senior leaders. Tacit knowledge (as opposed to formal or explicit knowledge) is knowledge that is difficult to transfer to another person by means of writing it down or verbalizing it. In other words, we learn more from watching in relationship to leading than being taught in class. We learn to lead from significant relationships with senior leaders who take the time to serve as our coaches, mentors, and above all, our examples. We learn to lead from the very stuff of life such as the hardships that shape our character and the people who help us walk through those tough times. It may begin with our parents or guardians, our school teachers, and other influential adults, but it can begin at any time. Leaders are people who have followers, not because of who they are, not because of the rank or power they hold, or even their charisma, but because they have earned trust through humility, moral courage, integrity, caring, and a clear-eyed focus on purpose. People take orders from bosses, they follow leaders. One critical test of a leader is not so much whether they make smart decisions or take decisive action, but whether they teach others to lead and build an organization that sustains itself even when they are not around.

Growing leaders can occur in three ways outside of leader-

ship classes, even though classes may be important eventually to formalize their training. The first way is through personal example as an exemplar. As a leader, people watch you all the time. How you make decisions, treat other people, and handle tough issues speaks volumes about you and serves as an example to those that follow. The second is through significant relationships as a mentor. Take the time to mentor recruits, individuals looking to move up the rank, and people who seem interested in learning. You have far more to offer than just telling them what to do and what you expect. When you handle an issue, take them aside and explain why. Take a personal interest in their development. A third way is through varied experiences provided to the individual as a coach. Give them some problems to solve after you've mentored them, even if they are hypothetical, and then discuss their handling of those problems. Admit when you make an error so they learn humility is a leadership requirement, and no person is perfect. All of these are considered servant leadership, or a leadership philosophy that focuses on others rather than self. If you truly want to lead your organization, then serving as a servant leader and mentoring, coaching, or setting the example for those that follow is a critical aspect of good leadership. Assume personal responsibility for developing other leaders. Have a teachable point of view that they can articulate and show others how to organize, what behaviors are needed when, and what values are essential. Use stories to embody this teachable point of view. Always generate positive energy and encourage them when they have tough decisions. This doesn't have to formulate an "I know best" attitude, but walk them through the thought process you would use and the values you would apply. These relationships with exemplar senior leaders acting as mentors or coaches will do more to prepare our future leaders than \$250 seminars.

If today's leaders take time to serve as exemplars, mentors, and coaches, tomorrow's supervisors won't walk into the job ill prepared, and we'll actually be serving as better leaders.



# NORTH CAROLINA COUNCIL OF CODE OFFICIALS

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## NORTH CAROLINA COUNCIL OF CODE OFFICIALS 9TH QUADRENNIAL EDUCATIONAL RESEARCH CONFERENCE AUGUST 1-4, 2010 HILTON WILMINGTON RIVERSIDE, NORTH CAROLINA

The Board of Directors for the North Carolina Council of Code Officials is pleased to announce plans for the 9th Quadrennial Education Research Conference in Wilmington, NC.

For this first time, inspectors attending this Conference will be able to obtain continuing education credits for the workshops they attend. This Conference will include code workshops and discussion with individuals who are recognized as authorities in their fields. There will be sessions relating to fire rated assemblies, residential sprinkler update, penetration of fire rated assemblies, hazardous locations and hazardous occupancies plus a Code Panel of experts who will address questions on code questions, interpretations, legislation, etc. The continuing education sessions will be divided up into (1) six hour course and (3) two hour courses. Please see the attached Registration Form to sign up for the discipline for which you would like to receive continuing education credits.

This year's registration fee is \$175.00 for inspectors, companions and children. Retirees' registration fee will be \$100 for retired inspector and companion. The registration fee for the inspectors includes a Sunday night get acquainted party, a Monday Exhibitor Showcase luncheon, the banquet on Tuesday night and a continental breakfast on Wednesday morning.

**PRE-REGISTRATION AND PAYMENT IS REQUESTED. THE DEADLINE FOR PRE-REGISTRATION IS JULY 19, 2010. AFTER JULY 19, THE REGISTRATION FEES WILL INCREASE TO \$200 AS SHOWN ON THE ATTACHED REGISTRATION FORM. REGISTRATION FEES ARE NOT REQUIRED TO PRE-REGISTER. HOWEVER, IT WILL BE LESS EXPENSIVE AND IT WILL ALSO HELP YOUR PLANNING COMMITTEE TO PLAN FOR MEAL FUNCTIONS AND ACCOMMODATIONS.**

The Hilton Wilmington Riverside is holding a block of 125 rooms until June 30, 2010, after which no reservations will be accepted at the special group rate. Room rates are \$129 plus taxes for single or

double occupancy. The \$129 room rate includes your parking at the Hilton each day. This room rate is available for 3 days before and after conference dates. **RESERVATIONS MUST BE MADE DIRECTLY WITH THE HOTEL AT [www.wilmingtonhilton.com](http://www.wilmingtonhilton.com) or by contacting the hotel at (910) 763-5900. Our group code is OUN. Make sure you mention you are attending the NC Council of Code Officials meeting.**

As always, companions and children are cordially invited and encouraged to attend. Please make sure your companion sees the proposed program so they will know what is in store for them when they come to Wilmington.

Also included in this year's program will be an Exhibitors' Showcase luncheon on Monday, August 2. Exhibitors and suppliers will be able to "purchase" display tables for \$300 to display their supplies and materials of interest to inspectors and companions on Monday. If any of you know of an exhibitor who would be interested in buying a table for \$300, please share the attached Exhibitor Registration Form with them. Door prizes will be given away throughout the conference.

The Board of Directors of COCO and the Presidents of all the Inspector Associations look forward to seeing everyone in Wilmington.

### On Our Website

Remember to check the NC IAEL website regularly! We are making continuous improvements and always have great information on the NEC, on Continuing Education class schedules, code interpretations, important documents and exciting technology news. Watch for contests with code books and promotional items for the winners.

Go to our website for an electronic version of this newsletter. [www.nciaei.org](http://www.nciaei.org).



# NORTH CAROLINA COUNCIL OF CODE OFFICIALS

## DRAFT PROGRAM COUNCIL OF CODE OFFICIALS HILTON RIVERSIDE WILMINGTON, NORTH CAROLINA AUGUST 1-AUGUST 4, 2010

### SUNDAY, AUGUST 1, 2010:

- 8:30 a.m. Golf Tournament CAPE FEAR NATIONAL AT BRUNSWICK FOREST  
Meet in the Lobby of the Hilton at 7:00 or at the Golf Course at 8:00 a.m.
- 11:00 – 5:00 p.m. Registration – Hotel Lobby
- 2:00 – 5:00 p.m. Committee Meetings  
Building Inspectors Association  
Ellis Cannady Chapter, IAEL  
Mechanical Inspectors Association  
Plumbing Inspectors Association
- 6:00 – 8:00 p.m. Get Acquainted Party
- 8:30 p.m. Hospitality Room Open

### MONDAY, AUGUST 2, 2010

- 7:00 a.m. Building Inspectors Past Presidents & Board Members Breakfast
- 7:00 a.m. Mechanical Inspectors Past Presidents & Board Members Breakfast
- 8:00 – 5:00 p.m. Registration – Hotel Lobby
- 9:00 a.m. Opening Session  
Opening Remarks – President  
Invocation  
Pledge of Allegiance – 1st Vice President  
Welcome to Wilmington  
Keynote Opening Address – Wayne Goodwin, *Commissioner of Insurance*  
Nominating Committee Reports  
Reports from Association Presidents  
Council of Code Officials  
Building Inspectors Association  
Ellis Cannady Chapter, IAEL  
Fire Marshals Association  
Mechanical Inspectors Association  
Plumbing Inspectors Association  
Region 8 of ICC  
Response and Introduction of Guests – President
- 10:15 – 10:30 Break
- 10:30 – 12:30 a.m. Hazardous Locations Continuing Education Session (CE credits in Electrical only)

- 12:30–1:30 p.m. Vendor Showcase Luncheon
- 1:30 – 5:30 p.m. Business Sessions
- 1:30 – 2:30 p.m. Plumbing Inspectors Association Business Session
- 2:30 – 3:30 p.m. NC Ellis Cannady Chapter Business Session
- 3:30 – 4:30 p.m. Mechanical Inspectors Association Business Session
- 4:30 – 5:30 p.m. Building Inspectors Association Business Session
- 8:00 p.m. Hospitality Room Open

### TUESDAY, AUGUST 3, 2010

- 7:00 a.m. Plumbing Inspectors Past President and Board Members Breakfast
- 7:00 a.m. NC Ellis Cannady Chapter Past President & Board Members Breakfast
- 8:00 – 10:00 a.m. Fire Rated Assemblies
- 10:00 – 10:30 a.m. Break
- 10:30 – 12:30 p.m. Hazardous Occupancies
- 12:30 – 1:30 p.m. Lunch On Your Own
- 1:30 – 3:30 p.m. Penetration of Fire Rated Assemblies (Must attend all 6 hours for CE credits in Building, Electrical, Fire, Mechanical or Plumbing)  
Break
- 3:30 – 5:30 p.m. Residential Fire Sprinkler Update (CE credits in Building, Fire or Plumbing Only)
- 6:00 – 7:30 p.m. Social Hour, Banquet and Entertainment
- 8:00 p.m. Awards, Door Prizes

### WEDNESDAY, AUGUST 4, 2010

- 7:00 – 8:00 a.m. Continental Breakfast
- 8:00 – 10:00 a.m. Code Panel (CE credits in Building, Electrical, Fire, Mechanical or Plumbing)
- 10:00–10:15 a.m. Break
- 10:15–11:15 p.m. Qualification Board Procedures
- 11:15–12:00 p.m. Licensing Board Reports
- 12:00 p.m. Grand Prize (Must be present to win)  
Adjournment



# NORTH CAROLINA COUNCIL OF CODE OFFICIALS

## NORTH CAROLINA COUNCIL OF CODE OFFICIALS GOLF TOURNAMENT SUNDAY, AUGUST 1, 2010

**WHERE:** CAPE FEAR NATIONAL AT BRUNSWICK FOREST  
Cape Fear National® Country Club just opened 18 of its 27 holes in fall of 2009, Cape Fear National® will offer a carefully routed layout winding through gently undulating terrain with abundant water features. Renowned golf course architect Tim Cate designed each hole to dazzle the eye and pose a variety of challenges.

**DATE:** SUNDAY, AUGUST 1, 2010

**TIME:** Meet in the lobby of the Hilton at 7:00 a.m.  
8:30 a.m. Shotgun start

**COST:** \$80.00 per person includes cart, green fees, prizes and lunch.

**FORMAT:** 4 Person Captain's Choice Tournament

**PRIZES:** Closest to the Pin on Par 3 Holes  
Longest Drive  
Trophies for the Top 3 Finishing Teams

### **DIRECTIONS:**

Mail entry and checks to: Jean Williams  
NC COUNCIL OF CODE OFFICIALS  
1202 Mail Service Center  
Raleigh, NC 27699-1202  
(Make checks payable to COCO. Send with your reservation)  
(DEADLINE FOR GOLF TOURNAMENT ENTRY IS JULY 1, 2010)

COCO Golf Tournament Reservations:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE \_\_\_\_\_

HANDICAP/AVG. SCORE \_\_\_\_\_

## THE HILTON WILMINGTON RIVERSIDE PRESENTS DRINKS, DINNER, AND A DEAD BODY IMAGINE!

A shot in the dark, a scream is heard, a detective arrives, and you are set for fun. Come have dinner, witness a crime and help solve a mystery. Your waiters, bartenders and even the managers will be suspect.

### **MURDER MYSTERY BANQUET NIGHT TO INCLUDE**

- Cocktail reception to meet and greet with the soon to be deceased
- Fresh garden salad to be served with an assortment of salad dressings and a corpse.
- A custom entrée (chicken or salmon) to be accompanied with a side of clues and plot thickening details.
- Chef's choice for dessert and instructions from the lead detective on how to solve the mystery.
- Coffee is served and you are given 10 minutes to come up with "Who Dunit and Why!"
- Each table will form a detective agency and they are given clues and instructions so that they can solve the mystery.
- Banquet is KID FRIENDLY



# NORTH CAROLINA COUNCIL OF CODE OFFICIALS

## NORTH CAROLINA COUNCIL OF CODE OFFICIALS

REGISTRATION FORM  
HILTON WILMINGTON RIVERSIDE  
AUGUST 1-4, 2010

Name \_\_\_\_\_

Jurisdiction or Company \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Telephone Number ( ) \_\_\_\_\_

Companion's Name (if attending) \_\_\_\_\_

Children's Name(s) (if attending) \_\_\_\_\_

Ages of Children \_\_\_\_\_

- Registration fee of \$175.00 paid by July 19 enclosed. (Includes inspector, spouse and children)  
 Late registration fee of \$200.00 paid after July 19 enclosed.  
 Retirees registration fee of \$100.00 enclosed. (Includes retiree and spouse)

Are you planning to attend Sunday night Get-Acquainted Party?

No  Yes How many persons attending? \_\_\_\_\_

Are you planning to attend Exhibitor Showcase on Monday for lunch?

No  Yes How many persons attending? \_\_\_\_\_

Are you planning to attend the Banquet on Tuesday night?

No  Yes How many persons attending? \_\_\_\_\_

Chicken  Salmon  (indicate how many of each for your family)

Are you planning to attend the Breakfast on Wednesday morning?

No  Yes How many persons attending? \_\_\_\_\_

NOTE: Please provide your certificate number (not your ID number) for the area you select for each day.

### Continuing Education Sessions:

#### Monday: August 2, 2010:

10:30 a.m. – 12:30 p.m. Hazardous Locations  
(CE credits for Electrical Only) – (2 hours) \_\_\_\_\_

#### Tuesday: August 3, 2010:

8:00 – 10:00 a.m. Fire Rated Assemblies

10:30 – 12:30 p.m. Hazardous Occupancies

1:30 – 3:30 p.m. Penetration of Fire Rated Assemblies

(CE credits for Building, Electrical, Fire, Mechanical or Plumbing)

Please select ONE area for CE credit (6 hours)

Building: \_\_\_\_\_ Electrical: \_\_\_\_\_ Fire: \_\_\_\_\_ Mechanical: \_\_\_\_\_ Plumbing: \_\_\_\_\_

#### Tuesday, August 3, 2010:

3:30 – 5:30 p.m. Residential Sprinkler Update

(CE Credits for Building, Fire or Plumbing only)

Please select ONE area for CE credit - (2 hours)

Building \_\_\_\_\_ Fire \_\_\_\_\_ Plumbing \_\_\_\_\_

#### Wednesday: August 4, 2010:

8:00 – 10:00 a.m. Code Panel

(CE Credits for Building, Electrical, Fire, Plumbing or Mechanical)

Please select ONE area for CE credit (2 hours)

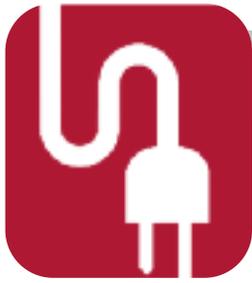
Building: \_\_\_\_\_ Electrical: \_\_\_\_\_ Fire: \_\_\_\_\_ Mechanical: \_\_\_\_\_ Plumbing: \_\_\_\_\_

Amount Enclosed \$ \_\_\_\_\_ Registration Fee

TOTAL \$ \_\_\_\_\_

MAKE CHECKS PAYABLE TO COCO  
AND MAIL TO: Council of Code Officials  
Attention: Jean Williams  
1202 Mail Service Center  
Raleigh, NC 27699-1202

*“Safety To Life Through Code Enforcement”*



# News from the NC Ellis Cannady Chapter, IAEI

## Presidential Views

The North Carolina Ellis Cannady Chapter of the International Association of Electrical Inspectors will hold its annual meeting in conjunction with the 2010 9th Quadrennial COCO meeting, August 1 – 4, 2010 at the Hilton Wilmington Riverside in Wilmington, N.C. We will be installing our 2010/2011 association officers and voting on some proposed amendments pertaining to (Article VI – Board of Directors and Officers) of our bylaws at our business meeting to be held on Monday afternoon, August 2nd .

The North Carolina Ellis Cannady Chapter COCO Committee members have worked hard and diligently in conjunction with the other North Carolina Inspector Associations committee members and the NC Fire Marshals Association to be able to present this program for you. Continuing education sessions will be offered for all the various trade code enforcement officials that attend, as well as a banquet and golf tournament that will be included as part of this meeting program.

Please visit our web-site at [www.nciaei.org](http://www.nciaei.org) for further details and any questions that you may have about this meeting. We look forward to hosting this event here in Wilmington, and hope to see you there!

**James R. Shivar Jr, Chapter President**  
230 Government Center Drive, Suite 110  
Wilmington, N.C. 28403  
Ph: 910-798-7205

## Industry Events

### NC Council of Code Officials

(Also the NC Chapter IAEI Annual Meeting)  
Aug 1-4  
Hilton Riverside, Wilmington NC

### Photovoltaic Systems and the 2008 Electrical Code One Day Seminar

Conference Center at Forsyth Medical Center  
Charter & Volunteer Hall  
3333 Silas Creek Parkway  
Winston-Salem NC 27103

### IAEI Southern Section

Savannah Marriott Riverfront  
October 10-13, 2010  
Savannah GA

See our website for more information and directions & maps:  
[www.nciaei.org](http://www.nciaei.org). (Meetings page).

## NC IAEI Electronic Newsletter

Our fourth quarterly newsletter was sent this Spring. In addition to our quarterly newsletters, we have also sent out special announcements for Continuing Education classes. Our mailing list has been growing, and sending out the special announcements for Continuing Education classes has helped our attendance. Join our mailing list – go to [www.nciaei.org](http://www.nciaei.org) (Contact us page).

## New Faces and Places

**New NCBEEC Board Member – Dr. John Kelley.** Governor Perdue has appointed Dr. John Kelly to the NCBEEC (North Carolina Board of Examiners of Electrical Contractors), succeeding Dr. Mitchell. Dr. Kelley is Chairperson & Associate Professor Department of Electrical and Computer Engineering, and has a Ph.D. Electrical Engineering, University of Delaware, Newark, Delaware, 1988, and a B.S. Electrical Engineering, University of Delaware, Newark, Delaware, 1981. Dr. Kelley can be contacted at Department of Electrical and Computer Engineering, NC A&T University, Greensboro. See the website version of our newsletter for more details, or go to [www.eng.ncat.edu/dept/ecen/jkelly.htm](http://www.eng.ncat.edu/dept/ecen/jkelly.htm).

**Kenneth Morrison** has taken a position as an Inspector in Kernersville. He's been in the electrical field since 1985, worked for an electrical contractor in Oak Ridge for 10 years then moved to Surf City where he started a contracting business. In 2005 Kenneth was hired by Pender County as a building inspector. "When I saw the job opening in Kernersville I was ready to move back home. I feel like I made a great move".

## Job Opportunities

City of Raleigh Zoning Inspector – See our website for details: [www.nciaei.org](http://www.nciaei.org), go to the "Jobs" page.

Contact us and advertise your job – we will send a special email announcement

If you are looking for a job, advertise with us for free! We are starting a new section on our website and electronic newsletters: Inspectors available for hire.

## Retirements:

Roger Carroll has retired from the City of Raleigh Inspections

Don Hursey is retiring from Durham City/County Inspections effective July 31st

Frank Carter has recently retired from New Hanover County Inspections

Darryl Bryant retired from Charlotte Mecklenburg Inspections on June 1st.

Don Hursey, Frank Carter and Darryl Bryant are all past recipients of the NC IAEI Inspector of the Year award. We thank all these gentlemen and Chapter members for their dedication and service to our communities, our State and their diligence in the profession of electrical safety.

## Bereaved

James Steele's mother passed away on May 25, 2010. Lillian Katherine Biggs Steele, age 96, of Castle Hayne, died Tuesday, May 25, 2010, at home. Katherine was born on January 6, 1914, in Winston-Salem, North Carolina, daughter of Atlantic Coastline Railroad Dispatcher, the late Benjamin F. Biggs and Mary Lowery Biggs. Please keep the Steele family in your thoughts and prayers.

## Sick and Shut in:

Collette Mullis, Gary Mullis's wife, had to undergo an unexpected surgery to relieve pressure on her spinal cord. She is doing well so far, please keep her in your thoughts and prayers. We wish her a speedy recovery.

Jim Carpenter is doing great after his heart surgery. Some of our Chapter members saw him in Las Vegas at the NFPA conference, after his doctor cleared him to attend that meeting last week. Robbie Brooks reports that Jim looks great and is feeling great.

## Behind the Scenes

A special thanks goes out to Joe Starling for his help on the Public Relations and Publicity Committee. Joe manned the chapter table at our Eastern NC Meetings in Williamston, Wrightsville beach, and Goldsboro. We appreciate him taking the time to attend these meetings and sell memberships, promotional items and do the paperwork needed.

Also, thanks again to our Education Committee, all our instructors and everyone else who worked hard to make these classes happen.

## Electrical Incidents

May was proclaimed as Electrical Safety Month by Governor Purdue. You might recall that our NC Legislature and former Governor initially signed a safety exemption into law. Our last newsletter reported the death of Tony Ballew in Wilson NC from a piece of Industrial Machinery.

Please keep a look out for future electrical incidents on commercial projects. It's likely that many of these are never reported, or are relegated to the back of the newspaper. You can report any incident on our website "Contact" page. Your identity will be kept confidential. [www.nciaei.org](http://www.nciaei.org), go to the "Contact" page.

## Safety Reminder

### *Lockout Tagout Procedures*

The following simple lockout procedure is provided to assist employers in developing their procedures so they meet the requirements of this standard. When the energy isolating devices are not lockable, tagout may be used, provided the employer complies with the provisions of the standard which require additional training and more rigorous periodic inspections. When tagout is used and the energy isolating devices are lockable, the employer must provide full employee protection (see paragraph (c)(3)) and additional training and more rigorous periodic inspections are required. For more complex systems, more comprehensive procedures may need to be developed, documented, and utilized.

### *Purpose*

This procedure establishes the minimum requirements for the lockout of energy isolating devices whenever maintenance or servicing is done on machines or equipment. It shall be used to ensure that the machine or equipment is stopped, isolated from all potentially hazardous energy sources and locked out before employees perform any servic-

ing or maintenance where the unexpected energization or start-up of the machine or equipment or release of stored energy could cause injury.

### *Compliance With This Program*

All employees are required to comply with the restrictions and limitations imposed upon them during the use of lockout. The authorized employees are required to perform the lockout in accordance with this procedure. All employees, upon observing a machine or piece of equipment which is locked out to perform servicing or maintenance shall not attempt to start, energize, or use that machine or equipment.

### *Sequence of Lockout*

- (1) Notify all affected employees that servicing or maintenance is required on a machine or equipment and that the machine or equipment must be shut down and locked out to perform the servicing or maintenance.
- (2) Authorized employee shall refer to the company procedure to identify the type and magnitude of the energy that the machine or equipment utilizes, shall understand the hazards of the energy, and shall know the methods to control the energy.
- (3) If the machine or equipment is operating, shut it down by the normal stopping procedure (depress the stop button, open switch, close valve, etc.).
- (4) De-activate the energy isolating device(s) so that the machine or equipment is isolated from the energy source(s).
- (5) Lock out the energy isolating device(s) with assigned individual lock(s).
- (6) Stored or residual energy (such as that in capacitors, springs, elevated machine members, rotating flywheels, hydraulic systems, and air, gas, steam, or water pressure, etc.) must be dissipated or restrained by methods such as grounding, repositioning, blocking, bleeding down, etc.
- (7) Ensure that the equipment is disconnected from the energy source(s) by first checking that no personnel are exposed, then verify the isolation of the equipment by operating the push button or other normal operating control(s) or by testing to make certain the equipment will not operate.  
Caution: Return operating control(s) to neutral or "off" position after verifying the isolation of the equipment.
- (8) The machine or equipment is now locked out.

### *Restoring Equipment to Service.*

When the servicing or maintenance is completed and the machine or equipment is ready to return to normal operating condition, the following steps shall be taken.

- (1) Check the machine or equipment and the immediate area around the machine to ensure that nonessential items have been removed and that the machine or equipment components are operationally intact.
- (2) Check the work area to ensure that all employees have been safely positioned or removed from the area.
- (3) Verify that the controls are in neutral.

- (4) Remove the lockout devices and reenergize the machine or equipment.

Note: The removal of some forms of blocking may require reenergization of the machine before safe removal.

- (5) Notify affected employees that the servicing or maintenance is completed and the machine or equipment is ready for use.

(OSHA) 54 FR 36687, Sept. 1, 1989 as amended at 54 FR 42498, Oct. 17, 1989; 55 FR 38685, Sept. 20, 1990; 61 FR 5507, Feb. 13, 1996]

### Product Safety

Check to make sure the product Listing is correct. New regulations require the specific safety Standard number or equipment category on the label.

If there is any doubt after inspecting the label and markings, you can report irregularities to the testing laboratory to see if the label is counterfeit, or if their license to label product has been suspended. All the testing labs have areas on their websites and phone numbers to report suspect products. Recently, a man was arrested and charged with placing counterfeit certification labels on electric signs in Boca Raton, FL.

### Code Enactments and Activity

Recent code developments and changes will be discussed during our meeting in August, including recent news on regulations for carbon monoxide detectors and other issues from the latest NCBCC meeting. Attend the COCO meeting August 1-4 in Wilmington NC to keep current on codes and changes that affect us here in the State.

### Continuing Education with NC IAEI

August 1-4, 2010 on Wilmington is the quadrennial NC Council of Code Officials at the Hilton Wilmington Riverside hotel. This meeting

represents two 2 8 hour sessions of Continuing Education classes for Inspectors and Contractors. For more information and map, please visit our website [www.nciaei.org](http://www.nciaei.org).

### August 24, 2010 in Winston Salem. We will be providing a top quality Code presentation by John Wiles on: PHOTOVOLTAIC SYSTEMS AND THE 2008 NATIONAL ELECTRICAL CODE

To register, please log onto: [www.nciaei.org](http://www.nciaei.org) to download all information and forms. If you need further assistance, please contact Mary Higgins at 919-733-9042 ext. 205 or [maryh@ncbeec.org](mailto:maryh@ncbeec.org).

**NEC Continuing Education Classes for 2009-2010.** Our continuing education classes for 2009-2010 were a great success! Thanks to all those who have attended and registered for the 2010 season, and a special thanks to our instructors. Visit our chapter website for updates on continuing education. Remember the importance of contact hours, and the great benefit students receive with a live instructor and classroom interaction. The next opportunities for Continuing Education are the COCO meeting and the special class on PV Systems. Also, we will be offering classes around the State starting in November.

### On Our Website

Remember to check the NC IAEI website regularly! We are making continuous improvements and always have great information on the NEC, on Continuing Education class schedules, code interpretations, important documents and exciting technology news. Watch for contests with code books and promotional items for the winners.

Go to our website for an electronic version of this newsletter. [www.nciaei.org](http://www.nciaei.org).



## News from the NC Plumbing Inspectors Association

Greeting to All

Well summertime is upon us now, looks like it going to a hot one. I would like to thank all supporting members and contractor who have attended our continuing education classes this year. Enrollment was been up and a good time was had by all. The Board of Directors of the NCPIA will be holding a annual meeting June 30 2010 destination to be determined later. Topics of

discussion are the scholarships and the upcoming COCO meeting in Wilmington. As many of may know North Carolina will be the host state for the upcoming ICC Annual Conference in Charlotte. Wilson Sawyer and I are on the committee to help put this event together. Some of the highlights are the NASCAR Hall of Fame building that was just recently completed in May 2010. North Carolina will be hopefully hosting a social event there. Looking forward to seeing everyone in Wilmington in August. Thank You



## News from the NC Building Inspectors Association

**H**ello to all my fellow building inspectors across the State of North Carolina. It has been quite a year for all of us. It seems as if the economy has stabilized a little although building starts are still way below where we would like for them to be. We can't control the economy, but we can be ready for it to rebound; we can be informed and we can be energized. As a body of professionals let's take this time to begin our study of trends and changes that will certainly affect us in the next few years. Residential sprinklers are coming; the proper installation and inspection of these systems are not defined yet but now is the time for building and plumbing inspectors to begin discussing best practices for installations and inspections. How many of us have gone on the web and downloaded the 2012 International Green Construction Code? It's online through ICC and provides some intense insight into where energy conservation is headed. This is quite a document and contains some very thoughtful and very advanced ideas about conservation. Now is the time for us to begin looking at the effects of these issues on our industry and to begin planning for how our enforcement of the codes regulating these installations will be done fairly and effectively.

Soon the Continuing Education committee of the NCBIA will meet to discuss topics for next years Winter Codes Seminars. The committee would love your input on topics for building/mechanical/electrical/plumbing/ and fire continuing education credits. You can send these topic suggestions to any of the NCBIA officers listed on the website, or you can send them to me at [dand@city-ofws.org](mailto:dand@city-ofws.org). I want to repeat my plea for feedback about problems facing your jurisdiction that negatively affect effective and efficient code enforcement activities. We have so many common concerns that could be addressed just by sharing information and ideas. Let's do it. We start another fiscal year June 1, 2010; let's make it a good year. We are the North Carolina Building Inspector's Association. We stand for Integrity, Education and Professionalism. Let's be the best at what we do!

As the heat and humidity have become a little more intense I have found myself dragging a little at the end of the day. This fatigue sometimes causes me to feel a little sorry for myself. Unfortunately I was not born independently wealthy, (I have talked to my mother and father about how they let me down in that regard. My father took the discussion seriously and I should soon be able to fully open my left eye, and needless to say Mom did not bake me a birthday cake on the 1st of June. I have learned my lesson.)

Anyway I began longing for the "Good Ol' Days". But maybe the good ol' days weren't really so good. Enjoy the following history lesson.



### This Month in History - 2010

I've noticed how hard it is to stay enthusiastic 24 hours a day; 7 days a week; to come into work each morning fired up and ready to make a difference. I don't know if the economy has got me down, or maybe my concern for all my builder friends who have suffered so much the last few years, or the revenue reports I look at constantly; or maybe it's that we are not getting a raise for the second year in a row, or that at some point if the economy doesn't rebound we may be looking at forced leave or lay-offs, I just don't know. But I do know this, I work for the City of Winston-Salem, I'm in the best department in the city, (I think you should feel the same way about your department) and I've got a job that allows me to learn, to study, to work hard and to make a difference in the community. As far as occupations go there's just not a lot more you can ask for. (Well, okay, I guess it would be alright with me if my salary was doubled every two years. If I'm blue-in-the-face it's because I'm holding my breath.)

What does this have to do with history? Well, we all long for the good ol' days and here is a little "good ol' days" work related history from the Winston-Salem, NC archives. In the year 1778 Winston did not yet exist and Salem was a new, but burgeoning town. For a man or woman to work and earn a living was as important then as it is now. However, opportunities were not as available then as now. The general store, the tavern, tannery, and potter's house were owned by the church. People in other trades could work for themselves, but only members of the church were allowed to open shops. The church also decided how many people could operate in any particular trade; and pay scales and prices for merchandise were set and could not be altered. The shop owners or managers could not hire outside workers if members of the church were not available, and even then an apprentice system was in place with the usual term of apprenticeship being for a minimum of seven years. The apprentice was expected to work very hard and be attentive to his craft, and the master of the apprentice was to care for his needs.

### Let's look at a typical apprentice bond from that time:

July, 1777..... John Henry Stultz is to be bound to blacksmith L. F. Eberhart with Eberhart to agree to "teach and instruct, or cause Stultz to be taught or instructed to read, to write, and to cipher and forthwith to provide for him a Bible and the sum of \$40.00. Eberhart is to provide for Stultz two suits of freedom clothes, from homespun best materials, and to constantly find and provide for said apprentice a sufficient diet, a place for washing, lodging and other apparel befitting an apprentice. The term of this apprentice bond to be for 7 (seven) years providing diligent learning and mastery of the trade of blacksmithing by Stultz, and providing the exercise of clean moral living and no excess of drink.

Wow! I wonder if HR has that job posted yet. I think I could stand the labor, but I'm not so sure about my desire to possess or wear even the finest of gray wool homespun skivvies in this 90 degree weather. All things considered, I think I'll stick with what I know. Sorry, WS/FC Blacksmithing Department, I've decided to continue being a darn good building inspector and a proud member of the North Carolina Building Inspector's Association.

*Dan Dockery*

# North Carolina Code Officials Qualification Board

## Quarterly Board Meeting

The quarterly meeting of the NC Code Officials Qualification Board was held at 1:00 PM on April 27, 2010 at 322 Chapanoke Road in Raleigh, NC. The next quarterly meeting is scheduled for July 27, 2010 at 1:00 PM. The agenda for each quarterly meeting can be found on our website at [www.ncdoi.com](http://www.ncdoi.com)

## Presentation of Fifth Standard Level III Certificates

At the April, 2010 meeting, Chairman Lutterloh presented William Newns of the Currituck County Inspection Department with his fifth Standard Level III Inspection Certificate.

The number of individuals achieving this level of certification is currently 204.

## Request for Fire Inspection Information

After a healthy response to our letters requesting fire inspection information from County jurisdictions, we have followed up with a letter to all city and town jurisdictions. Please take the time to fill out this form and mail or fax it back to us. The information we receive will be used to create a snapshot of the state of fire inspections in North Carolina. From the information we already have, it seems that there is a real need for support of local jurisdictions in this particular area of inspection. The more accurate and complete our information, the better we are able to provide that support.

Thank you in advance for your cooperation in this matter.

## Renewals

Standard and limited inspection certificate renewals were due into our office by June 30th. Renewals received after this date will incur an additional \$4 late fee for each individual certificate, as an addition to the standard \$10 fee.

## Continuing Education Program Requirements

Continuing education is required for all code enforcement officials holding active standard or limited certificates. As a condition of certificate renewal, six hours of continuing education must be completed for each active limited or standard certificate per renewal year (by June 30 each year) in each technical area. An individual possessing both an active limited and standard certificate valid for the same area will only be required to complete six hours in that technical trade. Since we are starting the second year of our program, this is an important item to remember: **A code enforcement official can only receive credit for the same course once within a three-year period.** If continuing education credit is not completed for a specific technical trade, the standard or limited certificate for that area will be suspended until the educational requirement is completed. This will impact your ability to perform your job duties.

A current list of course sponsors is available on our website at [www.ncdoi.com](http://www.ncdoi.com).

## Continuing Education Report

A Continuing Education Report is available online showing each individual with an active standard or limited certificate and the

number of hours of continuing education completed over the last 3 years, the current year, and any carryover hours available for renewal year 2011.

This report is available on the NC Department of Insurance website at [www.ncdoi.com](http://www.ncdoi.com). You are able to search this document using your certificate number or name to find your information. We will update this document on a monthly basis, except during renewals periods when it will be updated more frequently. The date that the report was run appears on the link to the report. Remember that some courses may not show up as quickly as you complete them. Reporting is dependent upon the date the sponsor e-mails the course credit to us.

Since each sponsor is transmitting all continuing education credits electronically, it is **imperative that you provide the instructor with your correct Standard or Limited Certificate number and full, complete name.** We need the certificate number to apply continuing education hours to the correct technical area. A list of all standard and limited certificate numbers is available online at the NC Department of Insurance website at [www.ncdoi.com](http://www.ncdoi.com) to assist sponsors, instructors, and students when attending continuing education courses. This listing will be updated on a quarterly basis after each certificate issue.

**Please make sure your CE Instructor or Coordinator provides a Certificate of Completion for each continuing education course you complete. This is your only proof of attendance and may be the only way to document course credit if there is a discrepancy on the Continuing Education Report. The CE Instructor or Coordinator is required to provide this documentation. If you are having difficulty obtaining this information or if you have any questions concerning the continuing education program or the application of continuing education credit hours, please contact the staff if at 919-661-5880.**

Please check this report on a regular basis. If we can catch discrepancies earlier in the year, we can prevent possible suspensions at the end of the renewal year. Again, if you see any irregularities, please contact the staff.

## Computer Based Testing for State Exams

The new computer based testing process seems to be progressing well, with the number of irregularities reported to us dwindling. Nothing is foolproof, however, and so we urge you to contact a member of our staff immediately if you have any problems with registration or the administration of the exam.

Registration procedures are available on our website [www.ncdoi.com](http://www.ncdoi.com). Please refer to the Exam Bulletin at the following link for further details concerning registration. [www.iccsafe.org/certification/pdf/NorthCarolinaBulletin.pdf](http://www.iccsafe.org/certification/pdf/NorthCarolinaBulletin.pdf). You may submit the Exam Request Form at any time for exams taken at Pearson VUE. **Just remember, you will need Board approval prior to scheduling an exam with Pearson VUE.** The NC Code Official Qualification Board staff still reviews each standard application for completeness and accuracy, check completion of courses and any other requirement(s) necessary to take the state exam. Please submit a standard application and Exam Request Form upon completion of all exam requirements.

## Standard Course Instructor Workshop

The Code Officials Qualification Board offered a one-day Standard Code Courses Instructor Workshop on Thursday, May 6, 2010 at 322 Chapanoke Road, Raleigh, NC 27603, from 8:00 a.m. to 4:30 p.m. Six individuals were approved to be instructors for standard code courses, one of whom was a reactivation for an existing instructor who had not taught in at least three years.

If you are interested in becoming an instructor, you can find the list of requirements as well as an application on our website at: [http://www.ncdoi.com/OSFM/Engineering/COQB/engineering\\_coqb\\_instructor\\_approval.asp](http://www.ncdoi.com/OSFM/Engineering/COQB/engineering_coqb_instructor_approval.asp)

## Verification of Inspection Credentials

When conducting interviews or reviewing applications for employment, it may become necessary to verify certification credentials. We currently have a list of all active certifications on line at [www.ncdoi.com](http://www.ncdoi.com), but if the individual is not listed, please contact the staff. The Board's staff is able to verify an inspector's certification credentials or education records at any time. Based on recent investigation issues, it is imperative to verify this information prior to employment.

## Return of Certifications

This is a reminder that if you leave your employment as a CEO to work outside the inspection field, you will need to return your Board issued certifications. If you are transferring from one jurisdiction

to another you would need to transfer your certification by submitting a Certification of Employment form for the new employing jurisdiction. You can find a copy of the Certification of Employment Form on our website at [www.ncdoi.com](http://www.ncdoi.com). If you have questions concerning this item, please contact the Board's staff at 919-661-5880.

## Staff and E-mail Addresses

E-mail addresses for the Board's staff are as follows:

**Samantha Ewens, PE, Director**

*Samantha.Ewens@ncdoi.gov*

**Kathy Williams, Qualifications Service Supervisor**

*Kathy.Williams@ncdoi.gov*

**Sarah van Doornewaard, Administrative Asst.**

*Sarah.VanDoornewaard@ncdoi.gov*

**Shane Phelps, Certification Engineer and Investigator**

*Shane.Phelps@ncdoi.gov*

**Suzanne Taylor, Certification Engineer and Investigator**

*Suzanne.Taylor@ncdoi.gov*

**Celestine Phill, Education Coordinator**

*Celestine.Phill@ncdoi.gov*

## Current Standard Inspection Courses – June 15, 2010

Area	Level	Begin	End	Days	Time	College Name
Building	I	7/23/2010	8/1/2010	Fri - Su	6-10; 8-8; 8-6	Fayetteville Tech CC
Building	I	9/3/2010	9/12/2010	Fri - Su	8:00 - 5:00	Davidson CC
Building	I	10/1/2010	10/10/2010	Fri - Su	8:00 - 5:00	Pitt CC
Building	I	10/15/2010	10/24/2010	Fri - Su	8:00 - 5:00	Central Piedmont CC
Building	I	10/23/2010	11/7/2010	Sa - Su	8:00 - 5:00	Coastal Carolina CC
Building	I	11/5/2010	11/21/2010	Fri - Su	8:00 - 5:00	Wilkes CC
Building	I	12/3/2010	12/12/2010	Fri - Su	8:00 - 5:00	Davidson CC
Building	II	7/9/2010	7/18/2010	Fri - Su	8:00 - 5:00	Central Piedmont CC
Building	II	7/9/2010	7/24/2010	Fri - Su	8:00 - 5:00	Davidson CC
Building	II	7/30/2010	8/8/2010	Fri - Su	8:00 - 5:00	Asheville-Buncombe CC
Building	II	8/20/2010	8/29/2010	Fri - Su	6-10; 8-5	Fayetteville Tech CC
Building	II	9/24/2010	10/2/2010	Fri - Su	8:00 - 5:00	Wilkes CC
Building	II	10/1/2010	10/10/2010	Fri - Su	8:00 - 5:00	Davidson CC
Building	II	10/15/2010	10/24/2010	Fri - Su	6-10; 8-5	Cape Fear CC
Building	III	6/18/2010	6/27/2010	Fri - Su	6-10; 8-5	Fayetteville Tech CC
Building	III	8/6/2010	8/15/2010	Fri - Su	8:00 - 5:00	Davidson CC
Building	III	8/13/2010	8/22/2010	Fri - Su	8:00 - 5:00	Wilkes CC
Building	III	10/15/2010	10/24/2010	Fri - Su	8:00 - 5:00	Central Piedmont CC
Building	III	11/5/2010	11/14/2010	Fri - Su	8:00 - 5:00	Davidson CC
Electrical	I	7/16/2010	7/24/2010	Fri - Su	8:00 - 5:00	Wilkes CC
Electrical	I	7/30/2010	8/14/2010	Fri - Su	8:00 - 5:00	Davidson CC
Electrical	I	8/6/2010	8/15/2010	Fri - Su	6-10; 8-5	Fayetteville Tech CC
Electrical	I	9/11/2010	9/19/2010	Sa - Su	8:00 - 7:00	Cape Fear CC
Electrical	I	9/16/2010	9/25/2010	Th - Sa	8:00 - 5:00	Wilkes CC
Electrical	I	9/24/2010	10/24/2010	Fri - Su	8-5; 8-12	Central Piedmont CC
Electrical	I	10/1/2010	10/31/2010	Fri - Su	8-5; 8-12	Central Piedmont CC
Electrical	I	11/12/2010	11/21/2010	Fri - Su	6-10; 8-5	Coastal Carolina CC
Electrical	II	7/23/2010	7/31/2010	Fri - Sa	8:00 - 5:00	Central Piedmont CC
Electrical	II	8/7/2010	8/15/2010	Sa - Su	8:00 - 5:00	Wilkes CC
Electrical	II	10/14/2010	10/14/2010	Th - Su	8:00 - 5:00	Wilkes CC
Electrical	III	7/10/2010	7/18/2010	Sa - Su	8:00 - 4:30	Fayetteville Tech CC
Electrical	III	7/10/2010	7/18/2010	Sa - Su	8:00 - 4:30	Coastal Carolina CC
Electrical	III	8/20/2010	8/28/2010	Fri - Sa	8:00 - 5:00	Wilkes CC
Electrical	III	10/8/2010	10/23/2010	Fri - Sa	8:00 - 5:00	Central Piedmont CC
Electrical	III	10/30/2010	11/14/2010	Sa - Su	8:00 - 5:00	Davidson CC
Electrical	III	11/17/2010	11/20/2010	Wed - Sa	8:00 - 5:00	Wilkes CC

Area	Level	Begin	End	Days	Time	College Name
Fire Prevention	I	7/16/2010	7/31/2010	Fri - Sa	8:00 - 6:00	Davidson CC
Fire Prevention	I	7/16/2010	7/25/2010	Fri - Su	6-10; 8-5	Fayetteville Tech CC
Fire Prevention	I	8/7/2010	8/14/2010	Sa - Su	8:00 - 5:00	Wayne CC
Fire Prevention	I	9/10/2010	9/25/2010	Fri - Sa	8:00 - 6:00	Davidson CC
Fire Prevention	I	9/18/2010	9/26/2010	Sa - Su	8:00 - 6:00	Cleveland CC
Fire Prevention	I	9/23/2010	10/2/2010	Th - Sa	8:00 - 5:00	Wilkes CC
Fire Prevention	I	11/5/2010	11/20/2010	Fri - Sa	8:00 - 6:00	Davidson CC
Fire Prevention	I	12/4/2010	12/12/2010	Sa - Su	8:00 - 5:00	Wayne CC
Fire Prevention	I	2/4/2011	2/13/2011	Fri - Su	6-10; 8-5	Coastal Carolina CC
Fire Prevention	II	6/18/2010	6/26/2010	Fri - Sa	8:00 - 5:00	Wilkes CC
Fire Prevention	II	8/12/2010	8/20/2010	Th - Fri	8:00 - 5:00	Davidson CC
Fire Prevention	II	8/21/2010	8/29/2010	Sa - Su	8:00 - 6:00	Wake Tech CC
Fire Prevention	II	10/16/2010	10/24/2010	Sa - Su	8:00 - 5:00	Cleveland CC
Fire Prevention	II	10/23/2010	10/31/2010	Sa - Su	8:00 - 5:00	Wayne CC
Fire Prevention	II	11/5/2010	11/13/2010	Fri - Sa	8:00 - 5:00	Wilkes CC
Fire Prevention	II	12/3/2010	12/11/2010	Fri - Sa	8:00 - 5:00	Davidson CC
Fire Prevention	III	8/5/2010	8/7/2010	Th - Sa	8:00 - 5:00	Wilkes CC
Fire Prevention	III	8/20/2010	8/22/2010	Fri - Su	8:00 - 5:00	Fayetteville Tech CC
Fire Prevention	III	9/17/2010	9/19/2010	Fri - Su	6-10; 8-6:30	Coastal Carolina CC
Fire Prevention	III	10/22/2010	10/24/2010	Fri - Su	8:00 - 5:00	Davidson CC
Fire Prevention	III	11/5/2010	11/7/2010	Fri - Su	8:00 - 5:00	Wayne CC
Fire Prevention	III	11/5/2010	11/7/2010	Fri - Su	8:00 - 5:00	Cleveland CC
Fire Prevention	III	11/12/2010	11/14/2010	Fri - Su	8:00 - 6:00	Wake Tech CC
Fire Prevention	III	12/2/2010	12/4/2010	Th - Sa	8:00 - 5:00	Wilkes CC
Law and Administration		7/9/2010	7/11/2010	Fri - Su	7-9; 8-5; 8-12	Craven CC
Law and Administration		7/17/2010	7/18/2010	Sa - Su	8:00 - 5:00	Wilkes CC
Law and Administration		7/23/2010	7/25/2010	Fri - Su	7-10; 8-5; 8-12	Vance-Granville CC
Law and Administration		8/7/2010	8/8/2010	Sa - Su	8:30 - 5:00	Davidson CC
Law and Administration		9/24/2010	9/26/2010	Fri - Su	7-9; 8-5; 8-12	Craven CC
Law and Administration		10/1/2010	10/2/2010	Fri - Sa	8-5pm; 8-4pm	Central Piedmont CC
Law and Administration		10/8/2010	10/10/2010	Fri - Su	7-10; 8-5; 8-1	Cape Fear CC
Law and Administration		10/23/2010	10/24/2010	Sa - Su	8:30 - 5:00	Davidson CC
Law and Administration		11/6/2010	11/7/2010	Sa - Su	8:00 - 5:00	Wilkes CC
Law and Administration		11/12/2010	11/14/2010	Fri - Su	6-9; 8-5; 8-12	Cleveland CC
Mechanical	I	7/17/2010	7/25/2010	Sa - Su	8:00 - 5:00	Fayetteville Tech CC
Mechanical	I	7/22/2010	7/25/2010	Th - Su	8:00 - 5:00	Wilkes CC
Mechanical	I	9/23/2010	9/26/2010	Th - Su	8:00 - 5:00	Wilkes CC
Mechanical	I	10/16/2010	10/24/2010	Sa - Su	8:00 - 5:00	Central Piedmont CC
Mechanical	I	11/6/2010	11/14/2010	Sa - Su	8:00 - 5:00	Davidson CC
Mechanical	I	12/4/2010	12/12/2010	Sa - Su	8:00 - 5:00	Coastal Carolina CC
Mechanical	II	7/23/2010	7/25/2010	Fri - Su	8:00 - 5:00	Central Piedmont CC
Mechanical	II	8/13/2010	8/15/2010	Fri - Su	8:00 - 5:00	Fayetteville Tech CC
Mechanical	III	7/10/2010	7/11/2010	Sa - Su	8:00 - 5:00	Wilkes CC
Mechanical	III	8/7/2010	8/8/2010	Sa - Su	8:00 - 5:00	Coastal Carolina CC
Mechanical	III	8/28/2010	8/29/2010	Sa - Su	8:00 - 5:00	Davidson CC
Mechanical	III	8/28/2010	8/29/2010	Sa - Su	8:00 - 5:00	Fayetteville Tech CC
Mechanical	III	10/16/2010	10/17/2010	Sa - Su	8:00 - 5:00	Central Piedmont CC
Mechanical	III	10/23/2010	10/24/2010	Sa - Su	8:00 - 5:00	Wilkes CC
Mechanical	III	11/13/2010	11/14/2010	Sa - Su	8:00 - 5:00	Cape Fear CC
Plumbing	I	7/16/2010	7/24/2010	Fri - Sa	8:00 - 5:00	Davidson CC
Plumbing	I	7/31/2010	8/8/2010	Sa - Su	8:00 - 5:00	Fayetteville Tech CC
Plumbing	I	10/2/2010	10/10/2010	Sa - Su	8:00 - 5:00	Central Piedmont CC
Plumbing	I	10/28/2010	10/31/2010	Th - Su	8:00 - 5:00	Wilkes CC
Plumbing	I	1/22/2011	1/30/2011	Sa - Su	8:00 - 5:00	Coastal Carolina CC
Plumbing	II	7/9/2010	7/11/2010	Fri - Su	8:00 - 5:00	Cape Fear CC
Plumbing	II	7/16/2010	7/18/2010	Fri - Su	8:00 - 5:00	Central Piedmont CC
Plumbing	II	8/27/2010	8/29/2010	Fri - Su	8:00 - 5:00	Davidson CC
Plumbing	III	6/26/2010	6/27/2010	Sa - Su	8:00 - 5:00	Fayetteville Tech CC
Plumbing	III	7/17/2010	7/18/2010	Sa - Su	8:00 - 5:00	Wilkes CC
Plumbing	III	8/14/2010	8/15/2010	Sa - Su	8:00 - 5:00	Coastal Carolina CC
Plumbing	III	8/21/2010	8/22/2010	Sa - Su	8:00 - 5:00	Fayetteville Tech CC
Plumbing	III	10/1/2010	10/2/2010	Fri - Sa	8:00 - 5:00	Davidson CC
Plumbing	III	10/2/2010	10/3/2010	Sa - Su	8:00 - 5:00	Wilkes CC
Plumbing	III	10/8/2010	10/9/2010	Sa - Su	8:00 - 5:00	Central Piedmont CC

Course listings are updated often during the year. Call the college for the most current courses.

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Because of the accelerated nature and the concentrated time frame in which the Standard Code courses are offered, students should be aware that the Standard Code courses are not elementary and will require intense study to successfully complete the classes. Those enrolled need to be thoroughly familiar with the codes. Therefore, it is recommended that students purchase their copies of the codes well in advance of the class and assemble them. It is also recommended that students read the code books to determine their knowledge of the material. Students need to be familiar with the code, prior to taking the course.

## MINIMUM REQUIRED COURSE HOURS

Course	Hours	Course	Hours
Law and Admin	15	Mechanical Level I	32
Building Level I	48	Mechanical Level II	24
Building Level II	40	Mechanical Level III	16
Building Level III	40	Plumbing Level I	32
Electrical Level I	40	Plumbing Level II	24
Electrical Level II	30	Plumbing Level III	16
Electrical Level III	30		
Fire Preven Level I	36		
Fire Preven Level II	32		
Fire Preven Level III	24		

## NC CODE OFFICIALS QUALIFICATION BOARD

### List of Community Colleges and Technical Institutes Teaching Standard Inspection Certificate Courses

Community College	Location	Primary Contact	Secondary Contact	Telephone
Alamance CC	Graham	David Parker	John Moyers	336-578-2002
Asheville-Bun. Tech CC	Asheville	Nancy Troxler, X5824	Skye Myrick X5836	828-254-1921
Asheville-Bun. Tech CC	Asheville	John Witherspoon, X 844		828-254-1921
Beaufort County CC		David Crosby		252 940-6262
Blue Ridge CC	Hendersonville	Elaine Handville		828-694-1779
Brunswick CC	Supply	John Winders		910-279-0478
Caldwell CC	Hudson	Norm Staines		828-726-2200
Cape Fear CC	Wilmington	Teresa Criser		910-362-7319
Cape Fear CC (B)	Burgaw	Pam Britt		910-675-1439
Carteret CC	Morehead City	Robert Espenship		252-222-6201
Catawba Valley CC	Hickory	Susan Killian		828-327-7000
Central Carolina CC	Sanford	Teronda McNeil	Landis Phillips	919-718-7291
Central Carolina CC	Sanford	Joey Shue		919-776-5601
Central Piedmont CC	Charlotte	Steve Corriher		704-330-4421
Central Piedmont CC	Charlotte	Sheila Tzerman		704-330-4408
Central Piedmont CC	Charlotte	Harley Cook (Fire Courses at CPCC)		704-330-4631
Charlotte Fire Dept.		Teresa Alexander (Fire Courses at CPCC)		704-336-2058
Cleveland CC	Shelby	Jimmy Hensley		704-484-4058
Coastal Carolina CC	Jacksonville	Steve Forney		910-938-6340
College of the Albemarle	Elizabeth City	Carol Schenck, X2518		252-335-0821
College of the Albemarle	Dare Co.	Tim Shearin, X240		252-473-2264
Craven CC	New Bern	George Kramer		252-638-7289
Davidson County CC	Lexington	Teresa Kines	Madelyn Gentry	336-751-2885
Durham Technical CC	Durham	Timiya McCormick		919 536-7240
Fayetteville Technical CC	Fayetteville	Sherry Turpin	Jane Pfeffer	910-678-8227
Forsyth Technical CC	Winston-Salem	Wesley Hutchins, X7769	Robert Leslie	336-723-0371
Guilford Technical CC	Jamestown	Bob Plain, X2586	June Boswell, X2821	336-334-4822
Gaston CC	Gastonia	Beth Hollars	Marty Farmer	704-922-6250
Halifax CC	Weldon	Kevin Kupietz	Sandra Hammack	252-533-8416
Haywood CC	Clyde	Terry Taylor		828-627-4617
Isothermal CC	Spindale	Debbie Hollifield, X 345		828-286-3636
Johnston CC	Smithfield	Chris Raynor		919-209-2081
Lenoir CC	Kinston	Phoebe Emory X 713	Sarah Lane X 722	252-527-6223
Mitchell CC	Statesville	Gordon Knight		704-978-5446
Nash CC	Rocky Mount	Shannon Orndorff		252-451-8312
Piedmont CC	Roxboro	Phyllis Gentry		336-599-1181
Pitt CC	Greenville	Ashley N. Sierant		252 493-7317
Richmond CC	Hamlet	Pam McKay		910-410-1704
Randolph CC	Asheboro	Lewis Edwards		336-633-0217
Robeson CC	Lumberton	Johnny Baker, X21	Tammi Bozeman, X22	910-738-7128
Rockingham CC	Wentworth	Randy Evans, X2390		336-342-4261
Rowan-Cabarrus CC	Salisbury	Roger McDaniel, X3501	Jeanie Moore	704-788-3197
Sandhills CC	Pinehurst	Jane Heisig		910-695-3774
Southeastern CC	Whiteville	David Ranson X314	Annette Dorman	910-642-7141
Southwestern CC	Sylva	Scott Sutton	Susan McCaskill	828-586-4091
Surry CC	Dobson	Greg Smith		336-386-3331
Tri-County CC	Murphy	Ed Smith	Lisa Thompson	828-837-6810
Vance-Granville CC	Henderson	Curtis Tyndall		252-738-3273
Wake Technical CC	Raleigh	Abo Abazid		919-866-5828
Wayne CC	Goldsboro	Carlos Cotto, X219		919-735-5152
Wilkes CC	Wilkesboro	Calvin Dull	Abby Combs	336-838-6208
Wilson Technical CC	Wilson	Robert Holsten		252-291-1195

NOTE: Pre-registration is required at least ten days prior to the beginning date of each course. Each community college may increase the cost of the course depending upon the number of students that have pre-registered. In the even of a cost increase, the community college will notify all students that have pre-registered.

## TEXTBOOKS

**Building, Level I :** 2009 Building, Residential, Codes and 2004 Manufactured Buildings/Mobile Home Regulations

**Building, Level II and III:** 2009 Building Codes

**Electrical:** 2008 Electrical Code

**Fire Prev:** 2009 Fire Prev Code

**Mechanical:** 2009 Mechanical and Fuel Gas Codes

**Plumbing:** 2009 Plumbing Code

**Law and Admin:** 2009 Administrative Code and Policies, Board Rules

To purchase Codes and Board Rules, contact Publications: 919-661-5880. Allow at least two weeks for delivery.

## Standard Exam Request Form

Please fill out the following information if you wish to schedule a state exam with the NC Code Officials Qualification Board. Indicate the area and level of exam you wish to take and include the date and location of the course. Once the staff has verified all Board requirements have been met, you will receive an approval letter by e-mail containing scheduling information with ICC or Pearson VUE. As part of the scheduling process you will be required to pay an exam fee of \$172. You will pay this fee directly to ICC. No further exams will be held at the Office of State Fire Marshal. You will still need to meet the testing requirements as before which include:

1. Standard Exam Request Form
2. Standard Application and \$20 fee
3. Successful completion of required community college courses

AREA	LEVEL (Fill in 1, 2, or 3 beside area)	BEGIN DATE OF TECHNICAL COURSE (Month/Day/Year)	LOCATION OF TECHNICAL COURSE (Name of Community College)
BUILDING			
ELECTRICAL			
FIRE			
MECHANICAL			
PLUMBING			
LAW AND ADMINISTRATION	N/A		

(PLEASE PRINT)

NAME: \_\_\_\_\_ ID NO.: \_\_\_\_\_

Last      First      Middle

HOME ADDRESS: \_\_\_\_\_

Street or Box      City      State      Zip

BUSINESS ADDRESS: \_\_\_\_\_

Street or Box      City      State      Zip

INSPECTION JURISDICTION (CITY OR COUNTY): \_\_\_\_\_

PHONE: HOME: (    ) \_\_\_\_\_ BUSINESS: (    ) \_\_\_\_\_

E-MAIL: \_\_\_\_\_ FAX: (    ) \_\_\_\_\_

MAIL TO: 1202 Mail Service Center, Raleigh, NC 27699-1202 / OR FAX TO: 919-661-3193



## News from the Mechanical Inspectors Association

### 2010 Mechanical Workshop

There are three Mechanical Workshops remaining for 2010. A workshop will be conducted at the City of Wilson Operations Center, 1800 Herring Avenue, on September 1 and the last one this year is at the Paramount Theatre, 128 E. Front Street, in Burlington on October 6. Topics are the 2009 NC Mechanical Code, the 2009 NC Gas Code, the 2009 NC Energy Code, and DOI interpretations. The State Board of Plumbing, Heating, and Fire Sprinkler Contractors will also participate at our workshops. The registration fee is \$60 for NC MIA members and \$100 for non-members. A registration form can be obtained by contacting Jean Williams at DOI or on the Mechanical Inspectors Association website, [www.ncmia.com](http://www.ncmia.com).

### New Website for the Mechanical Inspectors Association

Thanks to Dennis Maidon, Wake County, for developing a website for the North Carolina Mechanical Inspectors Association. The website was approved by the Board at the December 2009 meeting. The website address is [www.ncmia.com](http://www.ncmia.com). This is a forum style website and members are encouraged to post comments on the site. The website also has a calendar feature. The dates and locations of the workshops are on the website calendar as well as other important events.

### Two New Directors to be Elected

The Current Members of the Board of Directors are:

Ray Rice, *President*

Danny Plummer, *President Elect*

Ronnie Greene, *Vice President*

Janie Sutton, *Secretary/Treasurer*

Marshall Perry, *One Year Director (Piedmont)*

Paul Ezell, *One Year Director (Piedmont)*

Alec Arthur, *Two Year Director (West)*

Danny Bryan, *Two Year Director (East)*

Danny Plummer retired earlier this year and will serve out his term for the year. We wish Danny well in his retirement. The by-laws require that the directors be active inspectors, so Ronnie Greene will become President next year. Marshall Perry will move to President Elect and Paul Ezell will become Vice President. The two-year directors will move to one-year director positions, which leaves two one-year director positions open. If you would like to nominate someone for a two-year position, please contact Ray Rice, Janie Sutton, or Sammy Epps, Chair of the Nominating Committee. Both two-year directors will be from the Piedmont region. The elections will be at the annual meeting, which, this year, is at the COCO Conference in August. Please make your reservations soon. The Hilton in Wilmington has extended the deadline for reserving rooms at the hotel for the COCO conference until July 5. After that date, there will be no more reservations at the conference rate.

### Life Membership Awards

The NC MIA Scholarship/Awards Committee will recommend nominees at our 2010 Annual Business Meeting for consideration for election to Life Member membership status. The general membership will vote on the nominees at the meeting. If you would like to nominate a retired mechanical inspector please complete the nomination form and forward to Janie Sutton at NC DOI. A copy of the form may be obtained by contacting Janie at [janie.sutton@ncdoi.gov](mailto:janie.sutton@ncdoi.gov) or 919-661-5880 ext. 237.