

Certified Consulting Meteorologists Newsletter



Volume 3, Issue 2

WINTER 2012-2013

This newsletter is intended to enhance communications between CCMs, the BCCM, and the AMS. It is published quarterly to provide information about the on-going activities of the CCM program. All CCMs are reminded that there is a location on the AMS website for a forum to facilitate communication and exchanges between CCMs. The CCM forum can be accessed via the CCM webpage at: <http://ametsoc.org/amscert/ccm/index.html>

Highlights Inside this Issue

New CCMs	2
Volunteer Opportunities at Annual Meeting	3
CCM Webinars	3
Meetings of Interest	4
CCM Credential Available to Professional Meteorologists	4
Members of the CCM Board	5
AMS Award Nominations	5
The CCM Toolbox	6
CCMs Recognized for Their Longevity in the Program	7

The Chair's Column

Dear CCM Colleagues:

This will be my final column in the CCM Newsletter as Chair of the Board and will end my service on the board for this term (chair terms are one year and board terms are four years). I am honored to have served the CCM program and all of the wonderful people that comprise the CCM group. My term as Chair officially ends on the final day of the AMS Annual Meeting in Austin, Texas (10 January 2013).



It is with great pleasure that I announce the incoming CCM Chair of the Board, Paul Fransioli, QEP, CCM#291. Paul is a Senior Air Quality Specialist at the Redhorse Corporation in Las Vegas, Nevada.

The Chair-Elect (2014 Chair) of the Board is Richard Westergard, CCM #632. Dick is President of Shade Tree Meteorology, LLC, in Niskayuna, New York.

There are three incoming board members:

- Jennifer Call, CCM #674. Jen is a meteorologist for the Tennessee Valley Authority (TVA).
- Mark Wenclawiak, CCM #631. Mark is a Project Manager for O'Brien & Gere In Atlanta Georgia.
- Mitchell Baer, Ph.D., CCM #474. Mitch is Director of the Office of Oil and Gas Analysis, Department of Energy in Washington DC.

(continued on page 2)

AMS 2013 Annual Meeting and CCM Forum

The AMS Annual Meeting will be held 6-10 January 2013 in Austin, TX. The theme for the meeting is "Taking Predictions to the Next Level: Expanding Beyond Today's Weather, Water, and Climate Forecasting and Projections". There will also be 11 short courses offered the weekend prior to the start of the meeting. CCMs receive up to 8 professional development points for attending the meeting and completing a short course (4 points for the meeting, 4 points for a full day short course, 2 points for a ½ day short course). For details on the meeting and registration information, please visit the AMS Web site at <http://annual.ametsoc.org/2013/>.

The CCM Forum will be held on Wednesday, January 9th. Following is the schedule for the Forum:

(continued on page 2)

The Chair's Column

(Continued from page 1)

Myself and the entire CCM Board wish to thank the two outgoing board members for their hard work and dedication to the CCM program:

- Jerry Hill, CCM #151. Jerry is one of the original CCM's and is a consulting meteorologist from Houston, Texas.
- Gerald Mulvey, Ph.D., CCM #571. Gerry is a Senior Systems Engineer for Northrop Grumman Aerospace Company

The AMS Annual Meeting will be held from January 6-10, 2013 in Austin, Texas, and the theme this year is "Taking Predictions to the Next Level: Expanding Beyond Today's Weather, Water, and Climate Forecasting and Projections". The CCM Forum will be held on Wednesday, January 9th. (See the program on this page). Prior to the CCM forum the annual CCM Breakfast will be held at the Austin Convention Center from 7:00 a.m. – 8:15 a.m. in room 17B.

For those of you who are planning on attending the Annual Meeting please consider volunteering at the CCM booth. It will be located in the convention center at the AMS resource center. This is a great way to spread the word about the CCM program and to let potential candidates hear from CCMs themselves about the program.

A big thank you to Jerry Hill for being in charge of the CCM Newsletter. He has done an excellent job and has set a precedent that will continue. The two new board members (beginning in 2013) in charge of the CCM newsletter will be: Dick Westergard (dick.westergard@shadetreemeteorology.com) and Jen Call (jmcall@tva.gov). Please email any news you would like published in any future CCM newsletters to them.

I look forward to seeing all of you in Austin in January!

Please feel free to email me (ccm@weatherextreme.com) or call my office (775) 636-8553 with any CCM questions, concerns or comments.

Elizabeth J. Austin, Ph.D., CCM#572

Chair, Board of Certified Consulting Meteorologists
American Meteorological Society

Annual Meeting and CCM Forum

(Continued from page 1)

Sixth Annual CCM Forum: Certified Consulting Meteorologists: Taking prediction beyond climate and weather: The CCM's tools for providing solutions to real world problems

8:30 AM-9:30 AM: Wednesday, 9 January 2013:

Session 1

Forensic Meteorology

Location: Room 19B (Austin Convention Center)

9:30 AM-10:00 AM: Wednesday, 9 January 2013:

Session 2

Alternate Energy

Location: Room 19B (Austin Convention Center)

10:30 AM-11:00 AM: Wednesday, 9 January 2013:

Session 3

Applications of Water Resources and Hydro-meteorological Analyses

Location: Room 19B (Austin Convention Center)

1:30 PM-2:30 PM: Wednesday, 9 January 2013:

Session 4

Emergency Response Planning and Operations (Public Health)

Location: Room 19B (Austin Convention Center)

Thanks to Gerry Mulvey for putting the CCM forum together this year.

Unfortunately, due to budget cuts, the CCM Town Hall Meeting (normally held at lunch time) had to be cancelled.

New CCMs

Since the last newsletter was published, the following meteorologist completed all requirements for certification and was added to the roll of active CCMs:

David Kitzmiller, CCM 687, Office of Hydrologic Development, National Weather Service, Rockville, MD.

There were a total of 9 CCM certificates awarded in 2012.

Volunteer Opportunities at the AMS Annual Meeting

Please email Kelly Savoie (ksavoie@ametsoc.org) if you are interested in volunteering at the AMS Annual Meeting. The following volunteer opportunities exist:

Student Conference and Career Fair:

CCM Table

Saturday (5:30pm - 7:30pm)

CCM Booth at the AMS Resource Center during high traffic times:

Monday (2:30–4:00 p.m.)

Tuesday (9:45–11:00 a.m.)

Wednesday (2:30–4:00 p.m.)

Thursday (9:45–11:00 a.m.)

PowerPoint Display at the CCM Booth

There will once again be a PowerPoint display at the CCM booth at the AMS Annual Meeting profiling the background and interests of active CCMs. If you would like to include a slide for the display, please email it to Kelly Savoie (ksavoie@ametsoc.org) by December 21st. A sample slide and PowerPoint template may be found at: <http://www.ametsoc.org/amscert/ccmppsides.html>.

If you participated last year, your slide will once again be included. Please email Kelly a revised slide if there are changes. Otherwise, your previous slide will be included. You may view the current PowerPoint display at <http://www.ametsoc.org/amscert/50th%20Anniversary%20CCM%20Show%20Web.ppt>.

CCM Profiles

For the past several years CCM profiles have been published in the monthly AMS Bulletin. These are profiles that have been provided by various CCMs to help promote the program. If you have not submitted a profile in the past please consider participating and writing a bit about yourself. To submit your profile please contact Kelly Savoie at AMS headquarters ksavoie@ametsoc.org. Profiles published in past BAMS issues may be viewed at <http://www.ametsoc.org/amscert/ccm/ccmprofiles.html>.

CCM Webinars

During the past couple of years there have been a couple of webinars of interest to CCMs or persons interested in becoming a CCM. The AMS has provided links to these on the society's website and they can be viewed in their entirety.

The first is "An Introduction to Ethics in Professional Meteorology" that was held on Wednesday, October 31, 2012. It may be viewed at: [An Introduction to Ethics in Professional Meteorology](#)

The second webinar is titled "What is a Certified Consulting Meteorologist?" that was held on October 25th, 2011 and it may be viewed at: [What is a Certified Consulting Meteorologist?](#)

CCM Board Seeks Questions for Written Examination

The Board continues to seek questions in all topic areas for the CCM written examination. Please consider submitting a question or two, perhaps based on your own experience as a consultant.

This year CCM board member Jay Rosenthal is coordinating the updates of the questions that are in our catalog. Please submit your questions and answers, with any appropriate references and comments for graders to Jay at: AirWeather@aol.com

2013 AMS Meetings of Interest

2013 AMS Washington Forum, 2–4 April 2013, Washington, DC

12th Conference on Polar Meteorology and Oceanography, 29 April–2 May 2013, Seattle, WA

19th Conference on Atmospheric and Oceanic Fluid Dynamics, 17–21 June 2013, Newport, Rhode Island

17th Conference on the Middle Atmosphere, 17–21 June 2013, Newport, Rhode Island

41st Broadcast Meteorology Conference, 26–28 June, 2013, Nashville, TN

Second Conference on Weather Warnings and Communication, 26–28 June 2013, Nashville, TN

15th Conference on Mesoscale Processes, 6–9 August 2013, Portland, Oregon

36th Conference on Radar Meteorology, 16–20 September 2013, Breckenridge, CO

AMS 19th Satellite Meteorology, Oceanography and Climatology Conference and the 2013 EUMETSAT Meteorological Satellite Conference, 16–20 September 2013, Vienna, Austria

10th Symposium on Fire and Forest Meteorology, 15–17 October 2013, Bowling Green, KY

Other Meetings of Interest in 2013

The following meetings are hosted by separate organizations.

A&WMA Specialty Conference: Guideline on Air Quality Models: The Path Forward, 19–21 March 2013, Raleigh, North Carolina

11th Annual Southeast Severe Storms Symposium, 22–23 March 2013, Starkville, Mississippi

National Oceanic and Atmospheric Administration (NOAA) Satellite Conference for Direct Readout, GOES/POES, and GOES-R/JPSS Users, 8–12 April 2013, College Park, Maryland

11th Annual Climate Prediction Applications Science Workshop (CPASW), 23–25 April 2013, Logan, Utah

for details about these meetings see the AMS Bulletin or check the AMS website at:

<http://www.ametsoc.org/MEET/meetinfo.html>

CCM Credential is Available to all Professional Meteorologists

The CCM credential is the designation of board certification for all professional meteorologists. The title was conceived when the program started in 1957 as a way of certifying meteorologists practicing in the area of industrial meteorology but has grown since to become the AMS' single designation specifying that the credential holder is board certified.

Currently, the CCM program includes not only industrial meteorologists but also university faculty, military officers, and meteorologists employed by state and federal agencies.

The qualifications for the CCM are centered around the fundamental characteristics of:

1) Knowledge - To attain this recognition, an individual should have a comprehensive, although not necessarily a detailed, understanding of the main aspects of meteorological knowledge. Qualification on the basis of knowledge is, in first measure, indicated by college education, including successful completion of courses in meteorology, meeting national standards for professional employment. As a minimum, individuals must meet the educational criteria currently required for AMS membership. A written examination on various aspects of science and the profession of meteorology is required.

2) Experience - Qualification on the basis of experience requires a minimum of five years of work at the professional level in meteorology or a related field. Substitution of a postgraduate degree below the doctorate is permitted for one year of experience, and substitution of the doctorate degree in meteorology for up to two years is allowable.

3) Character - In the matter of qualification on basis of character, an individual must name at least three professional references, preferably including one Certified Consulting Meteorologist. The individual's record of professional work should clearly indicate that he or she maintains those three traits for conduct complying fully with the Society's Guidelines for Professional Conduct and applying generally in public contacts.

The three qualifications referenced above comprise a standard to which an individual seeking this recognition should aspire. More information about the program can be found on the AMS website at:

<http://www.ametsoc.org/amscert/index.html#ccm>

The Board of Certified Consulting Meteorologists

Members who will be serving on the board during 2013 are:

Terms Expiring 2014:

- Timothy Scott Dye, CCM 619
- Paul M. Fransioli, CCM 291, CCM Board Chair
- H. Michael Mogil, CCM 391, CBM 334

Terms Expiring 2015:

- Buddy A. Richie, CCM 648
- Jason Shafer, CCM 662
- Dick Westergard, CCM 632

Terms Expiring 2016:

- Joseph Chia-Yung Chang, CCM 553
- Esmail Malek, CCM 667
- Jay Rosenthal, CCM 602

Terms Expiring 2017:

- Mitchell Baer, Ph.D., CCM 474.
- Jennifer Call, CCM 674
- Mark Wenclawiak, CCM 631

Ex Officio Members:

- Jay J. Trobec, CCM 665, AMS Commission on Professional Affairs.
- Kelly Savoie, AMS Manager, Marketing/Special Programs

AMS Award Nominations

Consider making a nomination for one of the society's annual awards that will be bestowed in 2013. The call for AMS Awards and Fellows Nominations has been issued and information is available at <http://www.ametsoc.org/awards>.

New Fellows are elected each year by the AMS Council at its fall meeting from a slate submitted by the Fellows Committee of not more than two-tenths of 1 percent of all AMS Members.

Among the society's annual awards available to be presented are the Henry T. Harrison award for outstanding service by a consulting meteorologist. The Harrison award was established to recognize a consulting meteorologist for outstanding contributions to the profession, clients, and society. Nominees should demonstrate expertise in weather or climate and their applications, adherence to ethical behavior, and a high level of service to clients and/or the weather and climate enterprise.

Since self-promotion for personal recognition and gain is a character trait that is not admired in our culture, it falls to co-workers, managers, and students to initiate the awards process for a deserving person. The nomination process requires a nomination letter and three letters of support, along with other background material. Preparing this material is obviously a burden for those wishing to offer a name to receive an award, but without the willingness of society members to do this for deserving colleagues, the awards process could not exist so give serious consideration to participating in the process. There is no satisfaction like that of seeing someone that you nominate actually being selected to receive an award and knowing that your effort made it possible.

We encourage you to nominate scientists, practitioners, broadcasters and others you believe are deserving of one or more of 30 prestigious awards. The awards are open to all sectors of the Society - academia, government, and industry. Please visit the website for more information or contact:

Melissa Weston for Awards, mweston@ametsoc.org, (617) 226-3904;

Anne McDonough for Fellows, acdonough@ametsoc.org, (617) 226-3903.

Nomination Deadlines:

- Online Awards and Fellows: 1 May 2013
- Honorary members: 1 July 2013
- Lecturers: 1 October 2013

The CCM Tool Box

Gerald Mulvey, CCM #571 (Irish69th@msn.com)

Several years ago the concept of a CCM reference repository for book and key report titles was floated among the BCCM members and the general CCM membership. The idea came in response to an observed increase among applicants for certification towards the use of unreviewed internet sources for data, information and techniques. In addition some candidates were at a loss to provide sources for tabulated results of standard meteorological calculations. The definition of exactly what comprised “state of the science” and “standard techniques” was also up for question. The general goal was to raise the level of professionalism of practicing CCMs.

A parallel was drawn to efforts in professional management circles to compile a Project Management Body of Knowledge (PMBOK) containing global standards of management practices. It was thought however that meteorology was too diverse to allow the compilation of the global standards of meteorological practice.

So it was decided to set a lower goal and attempt to compile a list of references to data, information and techniques often used by consulting meteorologists in their practice. This list was given the name “The CCM Toolbox.” The purpose of this list was to provide a CCM with a frequently used source of quickly accessible references and in doing so raise the professional standards of work by CCMs. Examples offered were the Smithsonian Meteorological Tables by List and the US Standard Atmosphere 1976. It was not considered to be a compilation of every book on meteorology ever written but only selected key ones. It was to be a CCM website hosted Excel spreadsheet that could be easily searched by a CCM and maintained by the BCCM.

Objections were raised by a few CCMs that providing such a source of information would deprive them of a competitive edge over other CCMs. The argument was put forward that there is a competitive advantage in knowing what techniques were “standard” and acceptable and where one could look for high quality data. Other opinions were that if opposing sides, where the weather was in contention, used valid techniques and quality data the discussion would focus on the facts. The customer or client would get a higher quality product and thus raise the opinion of the science of meteorology of those involved.

Within the BCCM there were also questions on how to develop/maintain the reference list. It was agreed that the list could not be a wiki page or Wikipedia. The question also arose of “who would make the decision on what qualified to be on the list.” It was decided a sub-committee of the BCCM would manage the CCM Toolbox.

With that completed and the willingness of the AMS to host a web page for it, we were ready to get started. However the CCM membership in general was not. There were few recommendations for the tool box entries and some hosting problems so the concept went into a deep sleep.

As CCMs, we stress quality of our products. Is the CCM Toolbox an approach to raise the professionalism of our science? Will you, the tested few of meteorology actively support this initiative? Is it time to review the CCM Tool Box concept to raise the quality of the work performed by the CCM body? What do you think? Voice your opinion. Communicate with the BCCM or express your opinion online on the CCM Forum.

CCMs Recognized for their Longevity in the Program

The AMS awarded the first CCM certificate to Henry Harrison in 1957. Since that time nearly 700 certificates have been awarded and there are currently 291 active CCMs on the AMS roll. Dr. Edwin Kessler is currently recognized as being senior among all active CCMs, holding certificate number 36 that was awarded in 1961. This year marks his 51st as an active CCM. There are currently 92 CCMs that have been active for 25 years and 59 that have been active for 30 years or more. The following persons have been active CCMs for 30 or more years:

	NAME	CERTIFICATE NUMBER
1	Edwin Kessler	36
2	Arlo W. Gambell Jr.	77
3	William W. Vaughan	80
4	G. E. McVehil	108
5	Allen H. Weber	133
6	Jerry D. Hill	151
7	Gale F. Hoffnagle	152
8	William C. Thompson	158
9	Tsann-Wang Yu	159
10	Walter A. Lyons	163
11	Fredric J. Mogolesko	166
12	Edwin X Berry	180
13	Edward E. Hindman	183
14	C. David Whiteman	187
15	Bruce A. Egan	196
16	Theodore F. Fathauer	202
17	Mitchell M. Wurmbrand	205
18	A. Roger Greenway	207
19	John W. Hathorn III	210
20	George D. Greenly Jr.	214
21	Steven R. Marks	220
22	John D. Spengler	222
23	Shih-Ang Hsu	224
24	Jerry Pell	227
25	Timothy C. Spangler	228
26	Louis A. Hembree	233
27	Lloyd L. Schulman	240
28	John H. Humphrey	242
29	Richard H. Dunk	245
30	James I. Metcalf	254

	NAME	CERTIFICATE NUMBER
31	David A. Sullivan	256
32	Loren D. Nelson	257
33	Donald Ballanti	264
34	Stanley J. Krivo	267
35	Ross J. Dixon	268
36	John F. Henz	270
37	Kenneth B. McCool	272
38	James F. Yohn	273
39	S. T. Rao	275
40	Kenneth J. Skipka	278
41	Douglas J. Fulle	285
42	John E. Pinkerton	287
43	Paul M. Fransioli	291
44	Joseph T. Schaefer	294
45	Harvey M. Freese	295
46	Joseph Catalano	299
47	George G. McComb	300
48	Perry J. Samson	302
49	Michael E. Guski	303
50	John R. Martin	304
51	Russell C. Schnell	308
52	Lowell Krawitz	311
53	Richard J. Mancini	315
54	Roger Caiazza	318
55	Sethu Raman	319
56	Steve A. Root	321
57	Patrick T. Brennan	323
58	Michael Garstang	329
59	Alex W. Bealer	332