



The American Meteorological Society

Certified Consulting Meteorologists

Newsletter

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This newsletter is intended to enhance communications between CCMs, the BCCM, and the AMS. It is published quarterly to provide information about the ongoing activities of the CCM program. Please remember to use the **CCM LinkedIn page** for your communication and exchanges between CCMs.

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The Chair's Column

Dear CCM Colleagues:

Over the past six months, the 2018 CCM Board has been working hard to improve its core processes to strengthen its governance of the CCM program. The main task, kicked off back in 2017, has been the comprehensive review and update of the CCM written exam targeted for completion by the end of the year. The ad hoc committee tackling this ambitious task, led by Mitch Baer, is comprised of the entire 2018 Board with augmentation from about a dozen additional CCMs. Of the existing written exam questions about 50% are being revised and 25% retired. The remainder have been reviewed and deemed appropriate to "use as is." Significantly, there are 30 new questions in development by the team across a variety of meteorological consulting practice areas including climate change, marine, satellite, finance, analysis and forecasting, data analytics and education. The updated written exam question bank will strengthen the Board's ability to rigorously examine candidates in emerging interest areas of meteorological consulting such as climate change through an examination of core and specialty knowledge.



Outside of the ambitious written examination project, the Board has carved out time to work on other tasks. First, is a review and update of the professional development audit process being led by Randy Bass. Second, is an update to the oral examination protocols being led by Chair-elect Alicia Wasula. Third, is a review and update of the written technical paper standards and evaluation criteria again being led by Alicia Wasula. In CCM news beyond the Board, the AMS is improving the CCM process by moving to a web-based application process that will be rolled out by the end of 2018. In terms of candidates in the midst of the examination process, we have received four new applications to date in 2018 and anticipate two more soon.

Looking forward to the future, we have started to plan for the Centennial

meeting in 2020 in Boston. The CCM Board will once again sponsor a short course. The planning effort is being co-led by current Board members Pam Knox and Rick Shema. We are always keen on recruiting talent for the CCM Board and are currently gathering applicants to join the Board for 2019-2023 and 2020-2024 terms. This is your opportunity to join the BCCM for the historic Centennial year! If you are interested in helping to plan the 2020 short course or join the BCCM, please contact Board Chair-elect Alicia Wasula.

Tim Hall, CCM #641
Chair, Board of Certified Consulting Meteorologists
American Meteorological Society ■

A Call to Action: AMS Mentoring Programs Need CCMs

Contributed by Morgan Yarker, CCM

The community of CCMs is extremely supportive of each other.

And yet, it is sometimes difficult for newly obtained CCMs to reach out for support, probably because their first experience with a room full of CCMs is their oral examination- which can be an intimidating affair. As a newly obtained CCM myself, I can honestly say that I was surprised when I attended my very first CCM breakfast (exactly one year after taking my oral exam) and experienced so many people go out of their way to make me feel welcome in the group. There was interest in the work I do, the business I'm trying to start, and every conversation ended with, "Don't hesitate to reach out if you need anything!"

I'm so glad I decided to wake up early that morning.

That was also the first year I got to put the CCM ribbon on my Annual Meeting badge. It shocked me how many students and early career professionals asked me about the ribbon and seemed genuinely interested to learn more. As the years progress, it has become clear to me that young professionals are increasingly aware of the major shift that is happening with career prospects in our field. Job opportunities that were once typically abundant are becoming rare and with significant competition. Recent graduates are finding that they need to be more creative if they want to continue working as a meteorologist. I expect to see the number of meteorologist entrepreneurs grow significantly in the coming years. And CCMs are in a unique position to support and foster the growth of this very specific field of private industry.

This is why I am putting out a call for everyone to consider volunteering as a mentor for emerging professionals. Not just for newly obtained CCMs, but for those who are considering it and haven't started the process yet. AMS is also encouraging and fostering mentor relationships through the development of two programs.

The first is hosted by the Board for Private Sector Meteorologists, the [Private Sector Mentoring Program](#), and has been around for several years. Admittedly, I have not participated in this program, however I plan to apply as a mentor when the 2019 program applications are available later this fall. The general idea is that the board matches applicants for a year-long, guided mentorship relationship. Currently, this is aimed at connecting students with working professionals, however there are talks to include early career professionals as mentees in the future. This is an excellent opportunity to expose students to the variety of career paths available in private industry, but especially for CCMs to increase awareness of the certification as well as the what it's like to be a self-employed entrepreneur, as many of us are.

The second is a new initiative by AMS called [Mentoring365](#). This program is different in that you can register at any time with no deadlines. Additionally, anyone can register as a mentor or as a mentee, regardless of where you are in your career. Registered participants can review everyone who has elected to be a mentor, choose someone they would like to have as a mentor, and be connected to each other automatically. More importantly, mentees can quickly see, as they peruse the list, that someone is a CCM as well as the type of work they do. Even if mentees aren't specifically looking for a CCM as a mentor, the act of seeing the title appear over and over again in the list of mentors can be enough to open their eyes to our unique niche and plant the seed to obtain their own CCM in the future. They may even decide on a whim to choose one as their mentor, just to learn more.

Connections between mentor and mentee are not posted for the Private Sector Mentoring Program. However, as of the day this article was written, only 2 CCMs are listed as mentors on Mentoring365. So, please consider registering as a mentor at [mentoring365.org](#) today, and mark your calendars to apply as a mentor for the Private Sector Mentoring Program this fall. Doing so will increase the visibility of the CCM among early career professionals as well as inspire the next generation of meteorologists to consider forging new paths in a field that is rapidly changing. ■

Call for Abstracts

Contributed by Randy Bass, CCM

I invite any CCMs who have recently or are currently conducting research or providing operational support and services to aviation to consider submitting abstracts to the [19th Conference on Aviation, Range, and Aerospace Meteorology \(ARAM\)](#) for the 99th AMS Annual Meeting this January. Abstracts are due 1 August, 2018. Papers for this conference are solicited in the following areas: Ceiling and Visibility; observing and predicting extreme hot and cold; advances in prediction of weather affecting aviation, range and aerospace operations; winter weather; probability as a way to tackle uncertainty and risk; meteorological support to and from unmanned aerial systems; and many other topics.

You may also be interested in the [35th Conference on Environmental Information Processing Technologies \(EIPT\)](#). EIPT is soliciting papers on cloud computing; crowdsourcing; data stewardship; radar technologies and applications; incorporating resiliency to extreme weather events into the surface transportation system; and other areas.

I'm on both committees so if you do submit a paper/poster email me at bassweather@gmail.com so I can be on the lookout for it. ■

Participate in the AMS Centennial Celebration



Participate in the AMS Centennial celebration by sharing your AMS story! Let us know why you value your AMS membership, when you decided to become a meteorologist, or how AMS helped with your career.

We are collecting stories to recognize the strength, diversity, and accomplishments of our community. Visit our [Centennial website](#) and let us hear from you! #AMS100 ■

AMS Intern Board

The AMS would like to remind you about our online [Intern Board](#). This is a great benefit to both students and organizations in the atmospheric, oceanic, or hydrologic sciences. Organizations are able to list opportunities, in the intended fields, on the Intern Board and students can search internships, set up email alerts, and post resumes at no charge. Create an account for your organization and begin using the Intern Board to post openings. Please help spread the word to your colleagues about this free service! ■

Professional Development Opportunities



COMET's newest publications on MetEd

Contributed by David Russi, Spanish Translator, UCAR/COMET

Please look below for links to COMET's newest publications on MetEd. COMET published 8 new lessons, on a variety of topics, such as satellites, hydrology, and EPS guidance. The "other" category includes a Forecasters' Overview of the Middle East, and a lesson on Radio Wave Propagation. They also published 4 new lessons in Spanish on topics of instrumentation, satellites and NWP.

New COMET Lessons

Satellite

- [Operational Environmental Monitoring Applications using the Community Satellite Processing Package \(CSPP\)](#)
- [SatFC-J: The CrIS and ATMS Sounders](#)

Hydrology

- [National Water Model, Part 1: Science and Products](#)
- [National Water Model, Part 2: Early Performance](#)

EPS

- [Interpreting and Communicating EPS Guidance: British Columbia Winter Storm](#)

- [Interpreting and Communicating EPS Guidance: Iberian Heat Wave](#)

Other

- [Radio Wave Propagation](#)
- [Forecasters' Overview of the Middle East](#)

New Spanish Lessons

- [Fundamentos de PNT: estructura y dinámica](#)
- [Fundamentos de instrumental meteorológico y mediciones atmosféricas](#)
- [SatFC-G: impacto de las observaciones satelitales en la PNT](#)
- [SatFC-G: impactos del GOES-R en la asimilación de datos satelitales](#)

Currently, these materials are freely available to everyone, courtesy of our primary sponsors. They are NOAA's NWS, NESDIS and NOS programs, EUMETSAT, the Naval Meteorology and Oceanography Command, the Meteorological Service of Canada, Bureau of Meteorology, and the USACE and DOI/Reclamation.

AMS certification holders receive .5 – 1.25 professional development points (depending on difficulty level) for completing COMET modules.

For a full list of acceptable professional development activities and point values visit the [AMS Professional Development page](#) for CCMs.

Wanted: Photos of CCMs in Action

AMS is in the process of updating its web pages and we would love to include more photos of CCMs working in the field. If you have any photos that you would like to share with us, please email them to [Kelly Savoie](#). ■



AMS Online Weather and Climate Service Providers Directory

We would like to remind you about the online Weather and Climate Service Providers Directory. As a benefit to our CCMs, you are eligible for a complimentary listing. CCMs will show up first in search results followed by AMS members and then non-members.

Some of the great features of the directory include the ability for you to add:

- company logo
- profile photo
- social media links
- Website URL
- CV
- photo albums
- videos
- text articles
- up to ten specialties

To enter your free listing, go to the following [sign up page](#) created exclusively for CCMs, and follow the prompts; have your AMS Member Account Number and CCM Number available. The directory is linked from the AMS home page under [Finding an Expert](#) in the 'Information For' section of the site. To date, 110 CCMs have taken advantage of a free listing in the directory. If you currently have a listing, you may want to review it on an annual basis to make sure content stays up to date. ■

Upcoming AMS Conferences

[10th International Conference on Urban Climate/14th Symposium on the Urban Environment](#)

6–10 AUGUST 2018, NEW YORK, NY

[2018 Summer Community Meeting](#)

7 – 8 AUGUST 2018 BOULDER, CO

[29th Conference on Severe Local Storms](#)

22–26 OCTOBER 2018, STOWE, VT

[Automated Vehicles & Meteorology Summit](#)

23–24 OCTOBER 2018 WASHINGTON, DC

[99th AMS Annual Meeting](#)

6–10 JANUARY 2019 PHOENIX, AZ

Upcoming [meetings of interest](#) being offered by other organizations may also be found on the AMS website. ■

Connect on Social Media

LinkedIn

The LinkedIn page is becoming more active. If you have not joined, please do! The LinkedIn page is accessible and open only to CCMs. You must join LinkedIn (it is free) first before requesting to join the CCM page. Once you join LinkedIn (or if you are already a member), then just simply type "Certified Consulting Meteorologist" in the search box on the top right to search for our group. We anticipate the LinkedIn site to be an easy way for CCMs to communicate with each other and keep us all abreast of news, developments, and items of interest to CCMs.



Facebook

For all CCMs, colleagues, and the general public, we have a CCM Facebook page. It can be found by searching in Facebook for "Certified Consulting Meteorologist (CCM)." This page needs much more interest to be generated, beginning with every CCM "liking" the page.



Twitter

For all CCMs, colleagues and the general public, we have a new Twitter account. Leading up to the Annual Meeting, this year we intend to market the CCM booths at the Student & Career Fairs and AMS Resource Center via Twitter. If you are on Twitter, please follow the handle [@AMS_BCCM](#) ■



Thanks to all of our contributors
for this issue.

We encourage you to share your experiences, views,
findings, or studies for the next newsletter.

E-mail your articles to:
[Alicia Wasula](#)

The Fall 2018 Newsletter submission deadline is September 15.