

COAA e-Newsletter. Issue 5. September 30, 2003.

Published by the Chinese-American Oceanic and Atmospheric Association
P.O. Box 4948, Silver Spring, Maryland 20914-4948, USA

Members please submit news to "coaa.news@cox.net". Some examples of news items are:

Meeting/conference report/announcement; Research work/activity; Honors/Award /research grant; Promotion/graduation/change of position/employment/sabbatical; Latest publication/abstract; Job/research grant opportunity; Visit/exchange/collaboration; New member; Community outreach; Social event

Contents:

New!! First Announcement: The Third International Ocean-Atmosphere Conference, Beijing, China, 28-30 June 2004

- (1) COAA 2003 Annual Meeting to be held on 25 October
- (2) Candidates for the Board of Directors
- (3) Minutes of COAA Board Meeting, 22 September 2003
- (4) *Theodore Y.-T. Wu* Symposium on Engineering Mechanics
- (5) Invitation to celebrate Hong Kong Observatory's 120th anniversary
- (6) Community news
- (7) Job opportunities

First Announcement

The Third International Ocean-Atmosphere Conference

Beijing, China 28-30 June 2004

The Chinese-American Oceanic and Atmospheric Association (COAA) has held two successful international ocean-atmosphere conferences in the past years: the first one in October 1997, Washington, D.C., and the second one in July 2000, Taipei. Enlightened by many useful scientific discussions and professional networking, many participants found the two conferences both professional and friendly. As a result, a consensus was reached among COAA members to hold a third conference to further promote international collaborations.

During the past two decades, we have all witnessed enormous progress in science and technology in China, which has fostered collaborations between many Chinese and overseas scientists. In particular, China is now in an important period of transition during which young scientists begin to emerge as scientific leaders. After our extensive discussions with various agencies and institutions in China, the Third International Ocean-Atmosphere Conference was originally scheduled for July 2003, but it was later cancelled due to the outbreak of SARS. We have now decided to hold this conference during 28-30 June 2004, just prior to the first assembly of the newly formed Asia-Oceania Geosciences Society in Singapore. This conference will be hosted by the Institute of Atmospheric Physics (IAP), and sponsored by numerous agencies and institutions in China.

The Third International Conference has the goal of promoting scientific and technical communications among, and welcomes the participation of, atmospheric and oceanic professionals around the world, and it is not limited to COAA membership. It will be a forum to present the state-of-the-art science and technology, discuss new developments, and exchange ideas among different disciplines as well as professional networking. The conference papers can be presented in either Chinese or English. Some conference papers will be solicited for publication in a special issue of the journal of *Advances in Atmospheric Sciences* that is published by the China Committee for International Association of Meteorology and Atmospheric Sciences and IAP.

Profs. Huijun Wang, Rongsheng Wu and Wenhe Yang, who are the Director of IAP, the Presidents of the Chinese Meteorological Society and the Chinese Society of Oceanography, respectively, will serve as Program Co-Chairs. Dr. Yifen Pu and Ms. Lu Zhang of IAP will serve as the Co-Secretary Generals for the conference. Drs. Da-Lin Zhang and Quanan Zheng will act as overseas Program Co-Chairs. A call for papers will be released in early January 2004, together with more details on the program. We will repeat the similar processes as last year, including submitted abstracts. Please mark down the dates of 28-30 June 2004 in your calendar.

(1) COAA 2003 Annual Meeting to be held on 25 October

The 2003 Annual Meeting of the Chinese American Oceanic and Atmospheric Association will be held on Saturday, 25 October 2003, 9:30 am - 5:00 pm, in the Scullen room, Pangborn Hall (Engineering Building), at the Catholic University of America, Washington, D.C.

The purpose of the meeting is to provide a forum for discussion and networking on observations, analyses and modeling of the Earth System sciences, with emphasis on issues in the atmosphere, hydrosphere and biosphere.

The meeting will conclude with the election of new directors, who will serve a two-year term (2004 - 2005) on the COAA Board.

The technical sessions of the meeting will include invited talks, oral and poster presentations, and panel discussions. We solicit contributions from all aspects of Earth system science including atmospheric-oceanic-land interactions. To facilitate interaction among participants, we encourage both oral and poster presentations. Oral presentations are allotted 15-20 minutes. Poster Presenters are allotted 2-minute oral summary of their posters to the general conference before the poster session.

All contributors are requested to submit an abstract of 200-500 words. The abstracts should include the title, the names of the principal author and all coauthors, their addresses, telephone and fax numbers, and email addresses. Presenting authors please include a brief (~half page) vita (presenter's current and past positions, experience, areas of research interest, academic degrees and institutions earned) for the purpose of introduction. Deadline for submission is October 5, 2003.

Please send the abstracts to Dr. Long Chiu (lchiu@gmu.edu) or Dr. Xiaofeng Li (xiaofeng.li@noaa.gov).

A dinner will follow the Annual Meeting at a nearby restaurant. Dr. James Whang is the guest keynote speaker. The title of his talk is "Zheng-He: An Overview of His Excellent Accomplishments and What We Must Do about It." Please check the COAA web site (URL: coaaweb.org) for updates and details.

(2) Candidates for the Board of Directors

As announced in the email message of August 28, COAA is seeking candidates for the Board of Directors to succeed five outgoing members. Their two-year terms expire on Oct. 25, the date of COAA Annual Meeting. The names of the candidates received to date, as well as their brief biographies, are as follows:

DU, Jun

• Work Experience

Aug. 2003 - current: SAIC ensemble forecasting Task Leader at NCEP/NOAA

Oct. 2000 - July 2003: research meteorologist at NCEP

Oct. 1998 - Sept. 2000: project scientist at NCEP

Oct. 1996 - Sept. 1998: post-doc fellow at NCEP

• Education

May. 1996: Ph.D. in atmospheric sciences from Department of Atmospheric Sciences, University of Arizona, Tucson, AZ

Jun. 1988: M.S. in Synoptic and Dynamic Meteorology, Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China

Jul. 1982: B.S. in meteorology, Zhejiang University (former Hangzhou University), Hangzhou, China

HUANG, Joseph C. K.

Office of Energy Efficiency and Renewable Energy/Int'l Program, U.S. Department of Energy, Washington D.C. 20585

• Education

Post-Doctoral Fellow - Scripps Institution of Oceanography, University of California, San Diego, California, 1969-1970;

Ph.D.- Atmospheric and Oceanic Dynamics, Climate and Marine Sciences, The University of Michigan, Ann Arbor, Michigan, 1969;

M.S. - Meteorology and Oceanography, University of Michigan, Ann Arbor, Michigan, 1965;

Graduate study - Computer Science, Chiao-Tung University, Taiwan, China, 1963;

B.S.- General Sciences, Naval Academy, Taiwan, China, 1959.

• Professional Membership

American Association for the Advancement of Science, American Geophysical Union, The Oceanography Society, American Meteorology Society, Chinese-American Oceanic and Atmospheric Association

• Honors

Full fellowship, The University of Michigan, Rackham School of Graduate Studies, 1964-1965; The University of Michigan Outstanding Achievement Award on Research, 1969; Distinguished Achievement Awards, National Oceanic and Atmospheric Administration for many Years.

• Work Experience

- Team Leader, Oceanic Renewable Energy, U.S. Department of Energy, 2002-present;

- Regional Director, U.S. Presidential Initiative Climate Change Country Studies Management Team, 1993-2002;

- Senior Scientist, Office of Ocean Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 1989-1992;
- Senior Scientist/Program Manager, Office of Global Program, National Oceanic and Atmospheric Administration, U.S. Department of Commerce and also the Executive Secretary of US-PRC Bilateral Protocol for Ocean/Atmosphere interaction and Climate Research), 1981-1989;
- Oceanographer / Adjunct Professor, Great Lakes Environmental Research Laboratory, NOAA, DOC / The University of Michigan (leading the Simulation and Modeling Group), 1976-1981;
- Oceanographer/Research Professor, Scripps Institution of Oceanography, University of California, San Diego, and Program Director and Chairman of Modeling Group, North Pacific Study, 1970-1976.

- Research Interest

Climate dynamics, air-sea interaction & numerical modeling, ecosystem/carbon cycle modeling, climate change country study, integrated coastal resources management.

- Publications

Published more than 100 scientific papers in reviewed journals and formal institutional reports.

KO, Fung-Chi

- Education

1998 M.S., Information Management. University of Maryland, College Park

1994 Ph.D., Environmental Chemistry. University of Maryland, College Park

1986 M.S., Marine Biology. National Sun Yat-Sen University, Kaohsiung, Taiwan

1981 B.S., Oceanography. Chinese Culture University, Taipei, Taiwan

- Professional Background

2002-present Associate Research Scientist, Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science

1996-2002 Assistant Research Scientist, Chesapeake Biological Laboratory

1994-1996 Postdoctoral Research Associate, University of Minnesota, Minneapolis

1990-1994 Research Assistant, University of Maryland, College Park

1986-1990 Lecturer/Research Assistant, National Taiwan University, Taipei, Taiwan

1984-1986 Research Assistant, National Sun Yat-Sen University, Kaohsiung, Taiwan

1983-1984 Teaching Assistant, Chinese Culture University, Taipei, Taiwan

1981-1983 Lieutenant, Artillery, ROC Army

- Research Interests and Professional Expertise

Modeling contaminant distribution, transport and fate in natural waters; Atmospheric chemistry and deposition of semi-volatile organic contaminants; Modeling accumulation of persistent chemicals in aquatic food webs; Aqueous physical chemistry of hydrophobic chemicals; Organic carbon dynamics in marine, estuarine, and lacustrine systems; Environmental analytical chemistry; Information management of environmental database.

LI, Zhanqing

Professor at Department of Meteorology & Earth System Science Interdisciplinary Centre, University of Maryland

- Dr. Li has engaged in a variety of meteorological and interdisciplinary studies concerning cloud, radiation budget, aerosol, UVB, BRDF, terrestrial environment, forest fire and carbon budget cycle, etc. Dr. Li's major expertise is in the development, validation and application of remote sensing techniques for extracting geophysical parameters from various space-borne sensors. He has served as a principal investigator and science team member in numerous Canadian, U.S. and European space programs. As the former Canadian chief scientist of CloudSat, he played a leading role in lobbying for participation of the Canadian Space Agency in the CloudSat project. He is currently pursuing an US-China joint national initiative to study East Asian aerosols. He has been deeply engaged in the debate of cloud absorption anomaly (CAA). His extensive and

comprehensive investigations not only disapprove the existence of CAA, but also revealed the causes for apparent CAA found others. His pursuit helps prevent a major setback in climate studies. He has given dozens of invited addresses at conferences and workshops on various subjects. So far, he has authored over 85 peer-reviewed journal articles published in many leading journals such as *Nature*, *J. Geophys. Res.*, *J. Climate*, *J. Atmos. Sci.*, *J. Appl. Meteor.*, *J. Atmos. Ocean. Tech.*, *Bulletin of AMS*, *Rem. Sens. Environ.*, *Int. J. Rem. Sens.*, *IEEE Trans. Geosci. Rem. Sens.*, etc.

- Dr. Li has received six merit and achievement awards, four of which are national awards including the highest award given to Canadian public servants. In addition to scientific impact, his research has generated interest to the public, through numerous media reports and interviews by *Nature*, *the Discovery Channel*, *Global and Mail*, *New Scientist*, *the Weather Channel*, *Voice of America*, *Science Daily*, *Science Illustration*, etc.

YUAN, Dongliang

- Dr. Yuan, Dongliang graduated from Beijing University Department of Mechanics in 1988. After that, he was admitted into the graduate program in Institute of Oceanology, Chinese Academy of Science in Qingdao to pursue a M.S. degree in oceanography. At his graduation, he applied for admission to the Ph.D. program at Department of Oceanography of the Florida State University and was accepted. He spent four years working on a research project on the Yellow Sea circulation and was awarded the Ph. D. degree in 1995. He stayed at the Florida State University for another two years for postdoctoral training and was working on a modeling project of the Gulf of Mexico circulation. He moved to Maryland in early 1998 and has been doing modeling and assimilation studies of the equatorial Pacific ocean circulation at NASA Goddard Space Flight Center. He is currently holding a scientist position at Goddard DAAC to support the scientific use of MODIS data. He has about ten peer-reviewed publications on dynamics of coastal and marginal seas circulation and of equatorial ocean circulation and air-sea exchange.

(3) Minutes of COAA Board Meeting, 22 September 2003

Meeting location: College Park, Maryland.

Recorder of the minutes: Song Yang (song.yang@noaa.gov)

Attendants: Long Chiu, Xiaofeng Li, Colin Shen, Chung-Lin Shie, William Tseng, Song Yang, Da-Lin Zhang, and Yuejian Zhu

Absentee: Ben Chao

- Dalin Zhang reviewed achievements since the last board meeting and proposed new activities for the coming months. In particular, the preparation for the 3rd international conference in 2004 is underway and the first announcement will be issued soon. COAA will establish sister association relationship with the Chinese Society of Oceanography (CSO) and the Chinese Meteorological Society (CMS). A COAA delegation will visit China in December 2003 to work on the above issues, among others.

- The Board has discussed various issues related to the COAA 2003 annual meeting, which will be held on 25 October 2003 in The Catholic University of America. The meeting encourages both oral and poster scientific presentations, and includes a panel discussion and/or corporate members' participation, banquet, keynote speech, and other logistic items (see the meeting announcement). COAA will support this meeting with about \$400. An organizational committee including all board members and Prof. Frank Pao has been established.

- The Board has five nominations for the COAA Board of Directors: Jun Du, Joseph Huang, Fung-Chi Ko, Zhanqing Li, and Dongliang Yuan. A vote will be held during the annual meeting in October 2003.
- COAA's membership has increased significantly; and a one-time big jump in recruiting new members occurred in Boulder, Colorado. COAA directory will be updated in the upcoming year.
- COAA will continue to support activities held by local chapters. To facilitate future contacts, the Board has assigned a liaison for each sister association: Quanan Zheng for the CSO, Yuejian Zhu for the CMS, Frank Pao for the Chinese Undersea Technology Association, and Julian Wang for the Chinese Young Atmospheric Scientist Association. The Board has also assigned a liaison for each corporate member: Eddie Shih for Caelum Research Corporation and Optical Scientific, Inc.; and Chung-Lin Shie for Global Science & Technology, Inc.
- COAA's expense is balanced by its income. The Board reiterated the limit in supporting and hosting future guests and visitors.
- The hard copies of COAA Newsletter will be sent out in November 2003. The Board recognized the importance of submitting news items by Regional Directors and all COAA members.
- COAA is currently exploring a possible collaboration with the International Education Fund (a non-profit agency with offices in Washington D.C., Shanghai, and Taipei) for a two-week summer camp held tentatively in the Washington Metropolitan Area around July-August 2004. Announcement will be sent out when the plan is finalized.
- The Board has also discussed other issues related to membership fee collection, fund raising, and preparation for the modification of COAA's By-law.

(4) The Theodore Y.-T. Wu Symposium on Engineering Mechanics

COAA members are involved in organizing the Symposium Honoring Professor Y.-T. Wu. This symposium is a highlight of the Ocean Engineering Symposium To be held at *OMAE 2004 The 23rd International Conference on OFFSHORE MECHANICS AND ARCTIC ENGINEERING* 20-25 June 2004 Vancouver, BC CANADA.

The Theodore Y.-T. Wu Symposium on Engineering Mechanics: A celebration of Professor Wu's scientific contributions for his 80th birthday (Co-sponsors: The Ocean Engineering Committee of the Ocean, Offshore and Arctic Engineering Division of ASME and the Fluids Technical Committee of the Engineering Mechanics Division of ASCE.)

- Organizing Committee:

Chiang C. Mei (Co-Chair), Allen T. Chwang (Co-Chair)
 Daniel T. Valentine (Secretary), Alex Cheng, R. Cengiz Ertekin,
 Norden Huang, Tin-Kan Hung, Michelle Teng, Keh-Han Wang

- This symposium is to be held in Vancouver at the OMAE 2004. The OMAE 2004 web site is ready to receive "Abstracts" for this symposium. If you wish to know more about OMAE 2004, please see the official web site. The official ASME Conference site is:

<http://www.asmeconferences.org/omae04> . For further information about the OMAE 2004 Conference (list of local organizers, venue etc) see the web site:

<http://www.oaee.org/omae2004/omae2004.htm> .

(The above information is provided by Dan Valentine, clara@clarkson.edu, Secretary of the Organizing Committee via Antony Liu, Antony.A.Liu@nasa.gov)

(5) Invitation to celebrate Hong Kong Observatory's 120th anniversary

In celebrating its 120th anniversary, the Hong Kong Observatory is organizing a series of popular lectures by distinguished meteorologists starting October 2003. It hopes to promote the understanding of the public in the science of weather and to demonstrate the achievements made by Chinese meteorologists worldwide through the personal charisma of the distinguished scientists and the lectures. Several COAA members including C.-P. Chang, Gabriel Lau, and William Lau have been invited as guest speakers. Details of the lectures can be found in the website at

http://www.weather.gov.hk/abouthko/120_anniversary/public_lectures_c.htm

All COAA members are welcome to attend the lectures and/or visit the Hong Kong Observatory. (Song.Yang@noaa.gov)

(6) Community News

6a. A delegation of the China Meteorological Administration (CMA), consisting of the Directors of its major research institutions (institutes and the academy) visited NOAA during the week of September 9, and on September 9, COAA President, Da-Lin Zhang (dalin@atmos.umd.edu) met with the delegation and hosted a welcome dinner party.

6b. On September 6, 2003, a picnic gathering was held in the Griffith Park, Los Angeles, by the Chinese-American Oceanic and Atmospheric Association (COAA) Southern California Chapter (SCC). This was the first regional activity organized by the COAA SCC. It brought together COAA members, Chinese scholars and students, and their families from UCLA, UC Irvine, Caltech, NASA JPL, and the California State University. About 45 people attended this event. Among them, Dr. Tim Liu of JPL has been in US for decades and is a leading scientist in the field; and Ms. Qing Yue graduated from the Peking University two months ago and has been in US for only one week as a Ph.D. student in UCLA. Prof. Yongkang Xue, Regional Director of the COAA SCC, broke the ice by talking about the history of the COAA and encouraging students and young scientists to join the COAA and participate in the COAA conference in Beijing next year. Prof. Kuo-Nan Liou was not able to make it due to the schedule conflict, but still made contribution to the picnic.

Following Prof. Xue's speech, people introduced themselves and started chatting and eating. A variety of oriental food was brought by families. People exchanged research ideas and shared viewpoints on various issues of life. Although Los Angeles' post-labor day weather showed no sign of fall (temperature was nearly 90 F), people enjoyed shades in the beautiful woody Griffith Park and conversations with colleagues. The event lasted about three and a half hours, and ended happily in late afternoon. The photos from this event can be found in <http://www.geog.ucla.edu/~yxue/coaascspphoto> (submitted by Hui Su and Yongkang Xue, yxue@geog.ucla.edu)

6c. Dr. Zaitao Pan just took a new position at St. Louis University this fall joining the faculty of the Department of Earth and Atmospheric Sciences as an Assistant Professor. He had been a researcher at Iowa State University since 1993. His research interests will continue to be in land surface processes, regional climate change, and mesoscale meteorology. The famous St. Louis Gateway Arch is seen from his office window. Please drop by if you visit St. Louis area. Email: panz@eas.slu.edu ; <http://mnw.eas.slu.edu/People/ZPan> ; Address: 3507 Laclede Avenue, St. Louis, MO 63103

6d. Welcome four newest members to COAA: Drs. Menglin Jin, Ming Xue, Rong Zhang, and Hailong Liu.

Dr. Menglin Jin is Assistant Research Scientist of Department of Meteorology, University of Maryland, working on land surface modeling and land surface remote sensing. She received the BA degree in atmospheric dynamics from Nanjing University in 1989 and the MS and Ph.D. degrees in atmospheric sciences from the University of Arizona in 1995 and 1999, respectively, and joined University of Maryland, Meteorology Department in 2000. Dr. Jin's research experience includes retrieving, developing, and analyzing satellite land surface skin temperature to detect global change. She is also working on using NCAR GCM to study the land cover impacts and land surface-atmosphere interactions.

Dr. Ming Xue (mxue@ou.edu) is an associate professor in School of Meteorology, University of Oklahoma. He is also associated with the Center of Analysis and Prediction of Storms at the same University and acts as the scientific director of the center. His research interests include the development of advanced numerical modeling systems (he is the primary developer of the Advanced Regional Prediction System, ARPS) and their implementation on high-performance computing platforms, simulation and prediction of mesoscale and convective scale systems, mesoscale and storm-scale data assimilation, and variational techniques for using radar data. Ming Xue obtained his BS degree from Nanjing University and his Ph.D. from University of Reading, U.K.

Dr. Rong Zhang is a postdoctoral visiting scientist at GFDL/AOS Program, Princeton University. Her research focuses on the large-scale ocean dynamics, ocean's role in climate change, and low frequency variability in the coupled ocean-atmosphere system. She obtained her Ph.D. from MIT and did her undergraduate study at Tsinghua University.

(Hailong Liu's introduction not yet available)

(7) Job Opportunities

Institute of Hydrological Sciences, College of Earth Sciences
National Central University at Jung-li, Taoyuan, Taiwan

The Institute of Hydrological Sciences of National Central University invites applications for postdoctoral or research scientist positions in the areas of land-atmosphere-ocean interactions, climate analysis/prediction, and hydrology. The institute offers an excellent research environment for potential candidates to carry out a vigorous, creative and independent research program. The appointment may start no later than January 1, 2004. Review of applications will continue until the positions are filled. Please send (or e-mail) curriculum vitae including a brief statement of current research plan and names of at least three references to:

Dr. C.-H. Sui
Institute of Hydrological Sciences, College of Earth Sciences
300 Jung-da Rd, Jung-li City, Taoyuan, 320, Taiwan
(Email: sui@cc.ncu.edu.tw, Tel: 886-3-4222874, Fax: 3-4222894)

--