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Scholarly and Creative Achievements/Events

Julie Chisholm (GMS) will present a paper, "We Can Do It! Technology Administration in the Humanities," at the 2006 [Conference on College Composition and Communication](#) (CCCC), in Chicago (March 22-25).

Dr. Louis McDermott (Global Studies and Maritime Affairs Dept. Lecturer) has been selected by textbook publisher Houghton Mifflin to conduct a pre-publication review of the 7th edition of *The Brief American Pageant*, a survey of America from pre-historic periods through 2002.

Dr. Donna Nincic (Chairman - Global Studies and Maritime Affairs) has received a 2005-06 Faculty Research Grant from the Canadian Embassy to write an article-length paper exploring US and Canadian views on the legal/security/economic/environmental status of the Northwest Passage. With climactic warming, this international strait could well become ice-free, and disputes over its accessibility have already a voiced with Canada viewing it as an internal waterway and the U.S. viewing it as an international route relatively free of restrictions.

Dr. Phil Arms (Director of Simulator Training) and **Mike Noonan** (Bridge Simulation) provided simulator support to the CA Office of Spill Prevention and Response (OSPR) for an internal spill drill they did in Long Beach 10-13 January. The PISCES II Oil Spill Simulator created computer-generated graphics depicting the projected spread, over time, of a mock spill, giving drill participants a more realistic dimension to their training.

Dr. Michael Bittner (Dean Sponsored Projects/Extended Learning), **Capt. Bruce Clark** (Director of Marine Security) and **Professor Pavel Novikov** (Business Administration) are making five-day visit to Russia to meet with colleagues at the Admiral Makarov State Maritime Academy and Transas, a world-leading developer and supplier of a wide range of software, integrated solutions and hardware technologies for the aviation and marine transportation industry. The meetings will review and assess existing maritime training and maritime security curricula, virtual training and remote delivery applications for national and international audiences which can enable delivery of maritime education and training programs worldwide from single or multiple locations.

On-Line Survey on Campus Diversity Being Distributed

CMA Diversity Officer Rhonda R. Smith advises everyone that an on-line campus climate survey pertaining to diversity is now being distributed to faculty, students and staff, with each group receiving their own version of the questionnaire. The survey is being conducted by the Diversity Task Force for the campus. The Task Force will also conduct focus group sessions to gather qualitative data to go with the quantitative data from the surveys in order to reveal patterns and themes regarding campus diversity. Deadline for completing the survey will be February 28th. If invited to participate in a focus group, it is hoped that you will be willing to share your comments in that format as well.

Upcoming Events at Cal Maritime

The fourth annual Summertime at the Maritime concert series 2006 dates are now set - **July 29, August 19, September 9 and October 7**. The free concerts are held on the waterfront lawn at Cal Maritime. The events line is 707-654-1550. The lineup of performers will be announced soon. A questionnaire has been distributed to faculty and staff seeking input on preferred starting times. Send your thoughts to [Diane Rawicz](#), (CMA Services)

Cal Maritime is hosting a **first-ever High School Sailing Regatta** on **Saturday, Feb 4th**. Racing starts at 10:30 and trophies will be awarded around 5:00 pm. The event was the brainchild of Vice President Don Zingale, and is designed to showcase the campus to young sailors who have a natural interest and attraction to a maritime school.

February 17, the Faculty of Global and Maritime Studies invites faculty and students to hear **Tessa Jolls, President and CEO of the Center for Media Literacy (CML)** in Los Angeles. Ms. Jolls has led the CML in securing major grants for educational training and implementation programs, and publishing the CML MediaLit Kit framework for teaching media literacy. Cal Maritime faculty are invited to her **lunchtime talk - 11:40-12:30, in CLS 101: "Education for the 21st Century: Where Media Literacy Fits,"** a "report from the front" on implementing media literacy programs and teaching practical lifelong learning skills. **Students are welcome to join EGL 220 (Critical Thinking) students** in learning how media literacy can help people think for themselves via a process of inquiry. Ms. Jolls's **afternoon lecture, "Critical Thinking: The Five Key Questions of Media Literacy and What They Mean for YOU,"** will be held **2:30-3:20, in Rizza Auditorium**.

The newly formed Cal Maritime Women's' Water Polo team schedule is now underway. Away events at Cal State Santa Cruz (2/5) and the SSU Tournament at Sonoma (2/25-26) are on the February calendar. The team's first home competition is set for Wed. March 8 at 7 p.m. against St. Mary's.

Sat. Feb. 18, 2006 is the date for the **second annual US SAILING Safety at Sea Seminar** here at Cal Maritime. The certified program is often required for offshore sailing participants and recommended for anyone interested in sailing safety on the open water. US SAILING, developed by *Cruising World* magazine, is sponsored by West Marine, Zodiac North America, and Oregon Scientific.

Susan “Charlie” Arms, Cal Maritime’s Director of Sailing, said the daylong seminar will include presentations on seamanship, heavy-weather tactics and boat preparation. There will also be demonstrations of safety equipment and its usage, crew overboard recovery techniques, and a life raft safety program in the school’s swimming pool. A certificate of completion will be issued at the conclusion of the day’s program.

Presenters and speakers for this year’s seminar include Dr. *Kent Benedict*, an emergency physician and USCG Licensed Master. From 1980 to 2002 he was the Chief Medical Officer for the California Maritime training ship, *GOLDEN BEAR*. He holds the appointment of Clinical Associate Professor of Medicine at Stanford. He has taught Emergency-Medicine-at-Sea courses for years and authored medical chapters in the standard US Maritime texts the *American Merchant Seaman’s Manual* and the *Merchant Marine Officers’ Handbook*. Dr. Benedict is currently one of the authors rewriting the World Health Organization’s *International Medical Guide for Ships*.

Bruce Brown, a member of the Long Beach Yacht Club and Transpac Yacht Club, is currently President of the U.S. Marine Safety Association, an instructor at Orange Coast College's School of Sailing and Seamanship for the USCG 100-Ton License course, a certified trainer from AMSEA, a lecturer and published author on safety issues.

Chuck Hawley has sailed approximately 40,000 miles on vessels ranging from ultralight "sleds" to single-handed sailboats to the maxi-catamaran PlayStation. He is a nationally known speaker on marine safety, and has participated in US SAILING Safety Seminars for the last ten years. He has done extensive research on crew-overboard recovery, life raft and anchor design, and storm tactics, and has moderated seminars for the Newport-Bermuda, Transpac, and West Marine Pacific Cup Races. He serves on the US Sailing Safety at Sea Committee and the American Boat and Yacht Council Technical Board.

Mark Rudiger is one of the premier ocean racing navigators, capturing a first place in the 97/98 Whitbread and a 2nd place in the last Volvo Ocean Race Round the World. Mark has an invaluable knowledge base in safety equipment and standards from the multiple perspectives of navigator, helmsman and skipper. Additional information can be obtained from [“Charlie” Arms](#) x1247.



Thursday, February 22, 7:00 p.m. in Rizza Auditorium, Southern California expert and lecturer Byron Motley will present “*Oh How They Lived - Stories of the Negro Baseball Leagues.*” The lecture is free and open to the public. Motley, whose father Bob Motley was chief umpire in the Leagues for several years, brings a deep love and knowledge of this often under-appreciated segment of American baseball history. His talk, a part of Black History Month at the Academy, reflects on the history of baseball in America, and the impact the game had on a segregated society.

The planning committee is encouraging all attendees to bring school supplies to the event to be donated to the students at Grace Patterson Elementary School. For more information please contact [Shayna Sullivan](#) at 707-654-1283.

Upcoming Faculty Development Programs

Bunny Paine-Clemes, Director of Faculty Development

A Visit to the Escuela Nautica Mercante de Veracruz

Date: Friday, February 10, 2006

Time: 11:50 a.m.-12:20 p.m.

Place: CLS 101

Presenter: **Al McLemore**

Al visited a sister maritime academy to learn about its curriculum, network with other professionals, and practice his Spanish. Come to hear his insights about a stimulating experience of intercultural exchange.

Event: Active Learning and Critical Thinking: The Calculus Buddy System

Date: Wednesday, February 15, 2006

Time: 11:50 a.m.-12:20 p.m.

Place: TEC 106

Presenter: **Greg Cho**

Greg saw that his students weren't mastering calculus, so he divided the students into teams and made them responsible for solving problems together. Come to hear how this system enhanced the students' critical thinking abilities, used a technique of active learning, and empowered students to be more responsible for their own learning.

Event: A Painless System of Writing to Publish

Date: Wednesday, March 1, 2006

Time: 11:50 a.m.-12:20 p.m.

Place: TEC 106

Presenter: **Tim Lynch**

Tara Gray says, "The myth persists that prolific scholars are born not made, but research suggests otherwise." Come to hear Tim Lynch explain Tara's step-by-step method for easy, prolific writing: "Write daily for 15-30 minutes; post your thesis on the wall and write to it; write from the first day of your research project; organize around key sentences; use key sentences as an after-the-fact outline; solicit the right feedback from the right colleagues; make effective use of feedback."

Cal Maritime Library Offers A New Online Information Service

By Carl Phillips

While good information exists on the Internet, our students know that most of the really good stuff costs money. The Cal Maritime Library continually finds and negotiates fees for such services that are relevant for our campus community. In this spirit, the Library has made another important and very specialized information service available to our students, faculty, and staff - the **International Security & Counter Terrorism Reference Center (ISCTRC)**.

ISCTRC, the library's 40th fee-based online service, provides full articles from hundreds of scholarly and trade journals as well as thousands of selected articles from other sources. It also contains news feeds, reports, summaries, books, and proprietary background information summaries that pertain to terrorism and security. Virtually every dimension of security and counter-terrorism is covered including those of international political, military, economic, social, and technical concerns. So instead of wading through hundreds of thousands of irrelevant hits with Google, try the International Security & Counter Terrorism Reference Center (ISCTRC) at the library's research portal <http://library.csum.edu>.

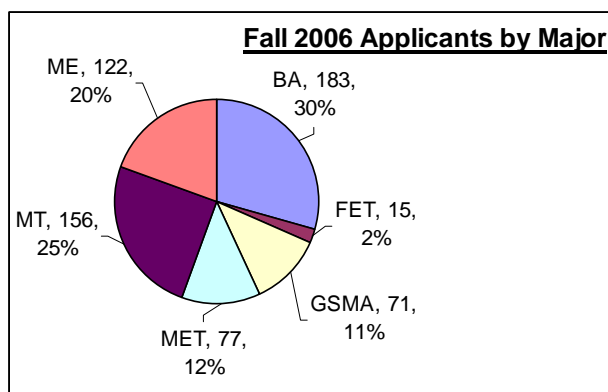
The Tide Chart by Chris Krzak

With the November 30, 2005, CSU priority application deadline behind us, the Admission Staff is evaluating files and mailing out acceptance letters. So far, the Academy has received 624 applications for admission for the fall 2006 semester. This number is almost half of what we received last year, a record-breaking 1,300 applications. Although no enrollment manager typically wants to report a decline in applications, I am relieved that the number of applications is down.

Why, you ask? Last year over 700 of our applications for fall 2005 were received without the student having to pay the \$55.00 CSU application fee. In other words, prospective students could apply to as many campuses as they wished as long as their families qualified for the on-line application fee waiver. This caused havoc across the campuses and severely impacted Cal Maritime's ability to forecast yield (the number of students who enroll). Beginning this application cycle, the CSU has put a limit of six on the number of campuses to which a student with an application fee waiver can apply. This has decreased the number of students applying to Cal Maritime to the serious contenders for admission who know about our campus.

Another enrollment management tool put in place last fall is *major declaration*. All applicants to Cal Maritime must choose a major. This will allow the Academy to have more control over the applicant pool and better anticipate student enrollment.

Following is a graph showing the number and percentage breakdown of applicants to Cal Maritime for the fall 2006 semester by major.



As you can easily see, BA is the most popular major for students to submit an application. This is because it is the most mainstreamed of our majors. Students who apply to BA are typically applying to many other colleges that offer this major. Our goal for fall 2006 new student enrollment is 250 new students, up from 235 in fall 2005. More about yield and the fall 2006 class in next month's column.

New Faces/New Hires

When we asked for input on what you would like to see in CURRENTS, several of you said, “Let us know who’s new to the Cal Maritime family, both faculty and staff.” So, from now on, we plan to include this feature in each issue and whenever possible, include a headshot photo of each new hire to help you identify them if you see them walking on campus. The following individuals recently joined the CMA staff:



Marie Mayne, Admissions and Outreach, December 5, 2005

Aditya N. Shukla, Public Safety, December 13, 2005



Charie R. Jopes, Food Service, January 13, 2006

Doug Webster, Director of Public Relations, January 19, 2006

President Eisenhardt on TV – TV Crew Visits Campus



If you saw a television cameraman and assistant walking around campus Friday, January 27th, getting footage of student formation, the dining room, classrooms and the *GOLDEN BEAR*, you probably wondered “Who are they and what are they doing?” The crew’s visit followed the taping of a television interview of Cal Maritime President William Eisenhardt in Sacramento. Republican State Senator Bob Margett interviewed the President for the Senator’s monthly cable television program which airs in his 29th District in suburban Los Angeles.

President Eisenhardt was asked to provide a broad range of information about Cal Maritime, its mission, its history, its membership in the California State University System, its curriculum and its student body and faculty.

The crew then visited the campus to get “B-roll” footage – silent images which will be laid in at appropriate points over the President’s interview to make it more visually interesting and give viewers a better sense of the institution.



The President's appearance is part of a continuing effort by Cal Maritime to improve public and legislative understanding and appreciation for the quality, diversity and importance of Cal Maritime to the state and the nation, and in turn, support for CMA and the University system. The finished half-hour program is scheduled to air on selected cable stations in the LA area in late February and early March.

Who You Know Helps CMA Grow – Gifts to the 2nd Gala Fundraiser

Mark your calendar for **Saturday, April 8, 2006** -- the date for **the second Cal Maritime Fundraising Gala**. Last year's inaugural event, held to mark the school's 75th Anniversary, was a big success and raised over \$50,000 in scholarship support for CMA students. Over 250 friends and guests of Cal Maritime were on hand for the black-tie event held in San Francisco. We're hoping for an even bigger crowd this year when supporters gather for an evening of dining and dancing on San Francisco Bay aboard the Hornblower *California*.



Key to the fundraising effort is the donation of gifts for a live and a silent auction held during the evening's cruise. Last year, we had contributions ranging from Giants' tickets to a week at a western dude ranch, a Hawaiian cruise, and even the chance to travel aboard the *GOLDEN BEAR* for part of the annual training cruise. Donations came from a variety of sources including alumni and friends of CMA.

As we get ready for the 2006 event, we've already begun the search for new and interesting gift possibilities, and you may be able to help. Whether it is directly, or by using your own contacts to put us in touch with folks who might be interested in making a personal or corporate contribution of goods and/or services for auction, we welcome your assistance. The bigger and better the prizes, the more we can raise to support quality Cal Maritime students, regardless of need.

If you have an item or a contact we should know about, get in touch with **Tom Dunworth, VP Advancement** x 1037 and we'll take it from there. As we get closer to the event, we also hope to create a special page on the Cal Maritime website where we'll provide an up-to-the-minute listing of items that will be up for bid. We've also sent out advance notices to reserve the April 8th date and we hope to see many of you there that evening to share in food, fun and friendship for a very good cause.

Contributions Sought for Orphanage

The Boatswain writes: “The Circle K club is organizing their annual Orphanage drive for the Arturo Pratte Orphanage in Chile. They have set out boxes in strategic locations around the Campus and will take anything from baby goods to teenage. This is a Naval Orphanage for boys which we visited during a summer cruise several years ago. We brought the kids back on board for a visit and MOM duly fed them with more ice cream and cookies than they had ever seen. We hope to solicit donations locally, and from San Louis Obispo and Monterey Bay as part of our efforts. “

A Primer on Tugboats and CMA’s Tug Training Programs

Britt Elliott, Chair, Maritime Operations Department

Over the years we have all heard about the decline of the US Merchant Marine. While some aspects of the industry have declined, the tug and barge industry has seen a dramatic increase in new construction, conversions, and tonnage moved.

The Oil Pollution Act of 1990, or OPA 90, dictated the phase-out of single-hulled tankers and barges. With the phase-out now complete and with demand for bulk liquid transport increasing, companies in the US market have responded in two ways. Some companies decided to build new double-hull tankers, while others opted for the new Articulated Tug and Barge units, or ATBs.

An ATB is a tug and barge unit. The bow of the tug fits into a notch at the stern of the barge and pushes, as opposed to the more traditional towline work. The tug is made fast to the barge by retractable port and starboard pins, which transmit the pushing forces to the barge but allow the tug to pitch or articulate independent of the barge. Barges are now approaching 300,000-barrel capacities. (See <http://www.intercon.com/> for more information). The advantages of this arrangement are:

- Speed increases up to 35-40% over towed units
- Better auto pilot operation results in fuel savings of up to 25% over towing
- Greater safety and comfort for the crew since the tug can couple and uncouple without crewmembers handling heavy wires and hawsers, or even going on deck
- Connecting and disconnecting can be completed without regard to drafts as opposed to the now obsolete Integrated Tug and Barges (ITBs)
- Crew fatigue is reduced because the ride is improved since the unit rolls together and the pitch axis is around the crew’s compartment
- Monitoring the barge is more efficient and effective than if it were towed astern
- Barges have reduced design, construction and operating costs over conventional tankers
- ATBs do not have to be newbuilds as there are plenty of tugs and barges that can be readily converted to this system, and other bulk cargos such as coal or grain are efficiently transported in the single-hull barges.

Tankers continue to be a prime mover of bulk liquid cargos. When these tankers are laden with cargo, tug escorts are required and must be capable of controlling the tanker if problems arise. The requirements for escorting and routine ship assisting have given rise to the newer “Tractor Tugs”. These tugs are very maneuverable and powerful, and require the tug captain to master new skills that are traditionally not part of the officer’s skills base. The US Coast Guard recognizes the special skills required to operate tugs and towing vessels and requires a training program for mariners to acquire those skills. Those special skills are documented as part of mariner’s Towing Officers Assessment Record (TOAR).

The US Coast Guard defines a towing vessel as an at least 26-foot long, commercial vessel in the service of pulling, pushing or hauling alongside. To be an officer aboard a tug, the mariner must have either a Master of Towing Vessel with a TOAR or a 200-Ton Mate with a TOAR. CMA’s Tug and Barge class prepares senior deck cadets to meet the demands of the TOAR by providing hands-on training and practical assessment in various tug and barge operations, as well as actual ship-assist ride-alongs. Successful completion of the class qualifies the cadets for a TOAR certificate, and when 30 days of actual documented tugboat time have been acquired, the certificate can become an endorsement on the Third Mate’s License.

CMA was the first academy in the nation to offer this TOAR certification program. In addition to the TOAR program, CMA offers deck cadets Person In Charge (PIC) for tanker operations and Qualified Member of the Engineering Department (QMED), which allows deck officers to act as engineers. With the small crews found on many harbor tugs, graduates holding PIC and QMED certificates are very marketable. While harbor tugs can use a QMED, the outside boats still use licensed engineers. To meet this demand, CMA is implementing a Tugboat Engineering course. This course will familiarize senior engineering cadets with tugboat operations such as basic boat handling, tow make ups, line handling, deck safety, and crane operation which should make those engineers even more marketable.

The response from industry has been very positive. Some tug and barge companies are offering our cadets 60-day-plus commercial cruise billets. Bay Area tug companies are allowing cadets to ride along and observe actual ship and barge moves as part of the class, and some even employ the cadets part-time. Companies have donated line and equipment and Foss Maritime donated a barge. A sign of our success can be seen in our recent job fair (see related article) where we had tugboat companies from around the nation on hand to make contact with our cadets. Some of these companies attended for the first time primarily because of the expansions we made in our program.

While segments of our industry may be in decline, the tugboat and towing industry is growing. Whether it is an ATB on the East Coast, a tow on the intercoastal waterway, a container barge in Hawaii, or a tanker escort in Valdez, the demand for qualified mariners is strong. California Maritime Academy is well placed to supply those mariners.

Eureka! At Last!! Campus ATM Cash Arrives



At long last....three years according to some reports, Cal Maritime has its very own ATM machine on campus. The new dispenser of presidential portraits, located in the Student Center, was dedicated in a brief afternoon ceremony on Thursday, Feb. 2nd. Cutting the ribbon for President Bill Eisenhardt is Erich Krueck (MT '06), Executive President of the Student Association (ASCMA). The association pushed heavily for installation of an ATM, and the need has already been

demonstrated. Reports are that initial usage has been almost double the original estimates. As with most ATMs, there is a charge for cash withdrawals, but CMA was able to negotiate a very modest fifty cent fee for the service.

CURRENTS is published monthly by Cal Maritime's Office of Public Relations. Please direct questions, suggestions or items for the next issue to Doug Webster, Director of Public Relations, X1720 or dwebster@csum.edu
Deadline for material is generally the last day of the month preceding the issue date.