
MTS-NEWSLETTER: *GULF COAST SECTION*

Issue 1

March, 1999

Greetings From the Chair

MTS Chair Bruce A. Leybourne

This year we have had several interesting presentations. Last September, right after Hurricane Georges, Dr. Malcolm Le Compte from AstroVision presented excellent imagery from their constellation of commercial remote sensing satellites in geostationary orbit. These virtually live observations, in full, true eye color, have a variety of commercial applications as well as scientific value including: live monitoring of volcanic eruptions, violent storms, fires, lightning, and meteors. Then, just before the Oceans 98 conference in November we gave presenters a chance to show off and practice their presentation just before the big show in Baltimore. Early February gave our new Vice-Chair, Steve Cash, a chance to introduce himself with a presentation on "Ship to Shore 'Digital Status Report' Multimedia Communication". He discussed a methodology for real-time data transmission and video links for shore-based management of shipboard operations, emphasizing resource sharing and

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Welcome New Members

MTS Secretary Craig Kohler

Robert Brook	Mississippi State Univ.
David Brown	Computer Sciences Corp.
Charles Calvo	Mississippi State Univ.
James Eve	Dept. of Interior
Kristen Fletcher	MS-AL Sea Grant
Daniel Henderson	National Data Buoy Center
Carl Jackson	Computer Sciences Corp.
Jerry Landrum	Naval Research Lab
David McCarren	Naval Oceanographic Office
John Monde	Univ. of Southern Mississippi
Robert Martin	CNMOC-PSI
Michael Melancon	Minerals Management Svc.
Rodney Riley	Computer Sciences Corp.
Jane Satchfield	Naval Oceanographic Office
Chung-Chu Teng	National Data Buoy Center

The MTS Gulf Coast Section now has a total of 129 members. If you know anyone whom is interested in joining, please have them contact me, or let me know and I will contact them. **If you didn't receive this newsletter by e-mail but have access to e-mail, please send your e-mail address to:**

LCDR Craig Kohler
Secretary, MTS Gulf Coast Section
ckohler@ndbc.noaa.gov
(228) 688-1753

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MTS Catfish Fry



The Gulf Coast Section of the Marine Technology Society invites you to participate in our spring Catfish Fry to be held after work (1600) at the historical Cypress House on Thursday, April 8, 1999. Come by early and enjoy the beautiful ambiance of the spring weather on the banks of the beautiful Pearl River swamp. For only \$5

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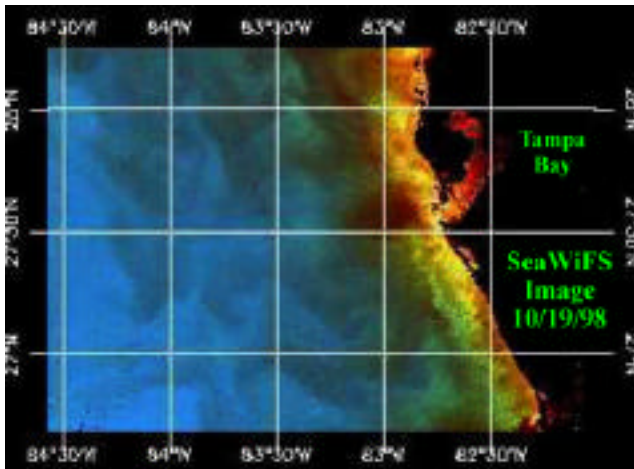
trouble shooting. Future events such as the MTS catfish fry will be held April 8; see article by Steve Cash this issue. Also a dinner meeting will be held Apr. 28th for presentation on SeaWiFS by Dr. Richard W. Gould from NRL (see article and details on Salvaggio's menu below). For anyone wishing to get electronic updates, be sure we have your e-mail.

Aircraft and Satellite Remote Sensing of Coastal Optical Properties

By Dr. Richard W. Gould

Naval Research Laboratory; Remote Sensing Applications; Code 7343; Stennis Space Center, MS

Coastal ocean color remote sensing presents unique challenges and opportunities to oceanographers. The coastal environment is very dynamic, and nearshore physical processes operate over shorter spatial and temporal scales than offshore. In addition, increased concentrations of phytoplankton, suspended sediments, and dissolved organic matter result in greater optical variability. After the Coastal Zone Color Scanner (CZCS) ceased operating in 1986, there was an eleven-year lapse in basin-scale satellite ocean color data until the launch of the Sea-Viewing Wide-Field-of-View Sensor (SeaWiFS) in August 1997. For the first time, we are able to estimate absorption and scattering coefficients and to separate these optical properties into dissolved and particulate components using SeaWiFS data coupled with new algorithms. However, SeaWiFS still has coarse, 1-km spatial resolution and limited spectral coverage, and problems remain with atmospheric correction algorithms. I will summarize some of the current research aimed at improving atmospheric correction and bio-optical inversion algorithms specifically for coastal areas. In addition, I will present examples of ocean color products and their applications, and I'll mention several new sensors with high spatial and spectral resolution that are now available or will be coming on-line in the next few years.



OCEANS '02 MTS/IEEE

MTS Oceans '02 Committee Chair - Rebecca Smith

Excitement is building since the announcement that the MTS Gulf Coast Section will be hosting the OCEANS'02 conference on the Mississippi Gulf Coast in the fall of 2002. Actual dates are not yet final. **The Mississippi Coast Coliseum and Convention Center** has been chosen as the location for the conference by the preliminary committee, which consist of Rebecca Smith (NAVO), Jerry Carroll (CNMOC), Catherine Woody (NDBC), and Michael Hemsley (NDBC). The beautiful new Beau Rivage Resort and Casino in Biloxi will be the key hotel, and the Holiday Inn will also be a part of the conference. NAVOCEANO, CNMOC, NDBC, The Gulf Coast Research Lab, J. L. Scott Aquarium, and many other agencies and industry will be involved in the planning of this major conference. The Admiral at CNMOC will be the Honorary Chair for the event. **Committee chairs are needed for the following categories:** Publicity, Social, Registration, Student Program, Transportation and Arrangements, and Exhibits. If you are interested in chairing one of these committees or just being a member of the committee contact Rebecca Smith by e-mail: markelr@navo.navy.mil or by phone: (228) 688-4921. DSN: 485-4921.

Awards/Nominations/Web

MTS Chair Bruce A. Leybourne

Congratulations to MTS Gulf Coast Treasurer Patricia Harrison. Patty was selected by the Mississippi Coast Association of Federal Administrators as the Outstanding Federal Civilian Employee of the Year. Patty also recently received the Navy's Meritorious Civilian Service Award for her work with NAVOCEANO's educational outreach programs. Our local MTS chapter is certainly happy to have Patty serve as treasurer the last two years. And luckily she has volunteered to serve another year in this position.

Steve Cash, our new Vice-Chair will be nominated to run for the Chair position next year, but we need nominations for Vice-Chair and Secretary positions. Anyone wishing to submit nominations should do so before elections in June to leybourneb@navo.navy.mil.

We have a new web page developed by member Angel Morales, our new WebMaster. It can be accessed at <http://home.earthlink.net/~geostreams/>. Please send any questions, comments, observations or requests for updates to leybourneb@navo.navy.mil. We have a change request before the NAVOCEANO web board to implement this web page within the NAVOCEANO domain, but it is currently under review by CNMOC lawyers to see if there are any legal issues to be addressed. We hope this happens before the year 2002 conference, but I will keep it on my personal web site until my tenure is up. If anyone can help push this initiative, please contact me.

MTS–DINNER PRESENTATION

Salvaggio's Restaurant
4416 Ponchatrain Drive
Slidell, LA 70458

ENTREES - \$15.95

- 1.) Crawfish and pasta
2.) Veal Duddy (Sauteed artichoke hearts & mushrooms)
MENU 3.) Chicken Christopher (Grilled
ITEMS chicken topped with shrimp & mushrooms)
4.) 10 oz. Ribeye Steak
5.) Grilled filet of Tuna

Includes: soup, salad, side order, dessert, iced tea, coffee, tax, and tip. Bar drinks are individual's responsibility and 15% gratuity will be added to all bar tabs.

When: 28 April, 1999
1800-1900 Social
1900-2000 Dinner
2000-2100 Rick Gould presentation

If you are interested in attending, please contact Patty Harrison at simmp@navo.navy.mil or 228-689-8082. We need a final list of people attending by 20 April. Otherwise, you can order the night of the dinner, but selections are limited to three of the five entrees listed above. If you want to pay in advance, send checks to Patty Harrison, NAVOCEANO N92 Bldg. 9322, Stennis Space Center, MS 39522-5001

CALENDAR OF EVENTS

SPECIAL EVENT: MTS CATFISH FRY

PLACE: CYPRESS HOUSE

TIME: APRIL 8TH AFTERWORK
(SEE ARTICLE ABOVE FOR DETAILS)

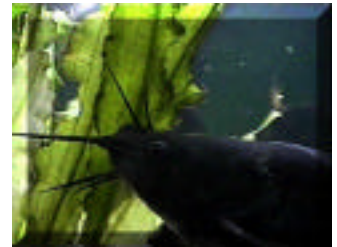
SPECIAL EVENT: DR RICK GOULD PRESENTATION

Place: Salvaggio's Restaurant
4416 Ponchatrain Drive
SLIDELL, LA 70458

Time: 28 April, 1999
1800-1900 Social
1900-2000 Dinner
2000-2100 RICK GOULD PRESENTATION
(SEE ARTICLES ABOVE FOR DETAILS)

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you can have an opportunity to get out and enjoy springtime in Mississippi. Not to mention visiting with your peers, discussing the most recent advances in Marine Technology and of course many juicy tidbits of local scuttlebutt. Revel in the culinary delights of our fried catfish (secret recipe) and the most delectable hush puppies and cole slaw, all provided to you by Master Cajun Chef Re'Chard Young (Marquis de' Catfish). Wash it down with cold delicious Killians imported beer on draft (while it lasts) or enjoy various soft drinks. *Bon Appetit!*



Laissez le bon temps rouler !! Doesn't look like fun to me!

Hurry - don't miss out and place your reservation(s) **now**, via e-mail to Steve Cash cashes@navo.navy.mil. You'll be glad you came.

BOATERS, SAILORS, FISHERMAN, DIVERS, & SURFERS

National Data Buoy Center (NDBC) Marine Observations Available Through the Internet including:

- Real-Time Wind and Wave Reports
- Swell Estimates
- National Weather Service Coastal-Marine (C-MAN) Forecasts
- Time-Series Plots
- Station Location Maps
- Photographs
- Media Information
- Virtual Tour of NDBC
- Station and Measurement Status
- Educational Examples
- Climatic Summaries
- Historical Observations

<http://www.ndbc.noaa.gov>

Hear the latest buoy and C-MAN observations via computer-generated voice:

**Dial-A-Buoy Phone Access Via Cell or Touch-Tone Phone
(228)688-1948**

MTS Membership Application for Individuals

Please print

Mr. Ms. Dr.

First name

Last name

Address

State

Zip

Country

Telephone

Fax

E-mail

Make checks payable to: Marine Technology Society
(U.S. funds only)

Credit card: Amex/Mastercard & Visa Diners Club

Card number

Exp. Date

Signature

Member: Any person with active professional interest in the marine field or closely related field. \$55

Associate: Any person with an interest in the marine field and supporting MTS objectives. \$55

Student: Must be a full-time student.. \$25

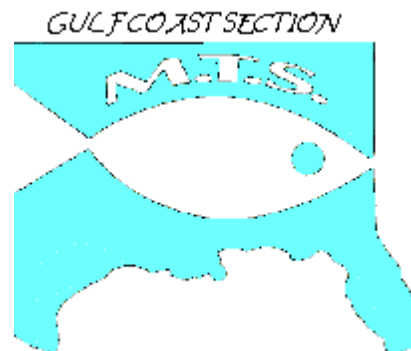
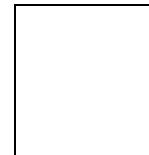
Patron: Any person supporting MTS objectives by contributing \$100 or more annually. (Contribution above \$55 dues is tax-deductible) \$100

Life: One-time payment \$1,000

Send Applications to:
Marine Technology Society, Membership
1828 L. St., Suite 906
Washington, DC 20036

Please call MTS for a Corporate/Business/Institutional membership application
Tel. (202)775-5966, Fax (202)429-9417
E-mail: MTSAdmin@erols.com

MTS GCS CHAIR – C/O BRUCE LEYBOURNE
CODE N351, BLDG 1205
STENNIS SPACE CENTER, MS 39522



ADDRESS CORRECTION REQUESTED:

Mailing Address
Street Number and Name
City, State, Zip